MacFormat ISSUE 216 January 2010

>iPhoto: The ultimate guide >Get fit for 2010 with your iPhone >Advanced iMovie edits >Budgeting in Numbers Printed in the UK

All your Apple needs

Mac FORMAT

APPLE'S DECADE OF INNOVATION

10 magic milestones in Apple history

>Mac >iPod >iPhone
>Issue 216 January 2010

MACFORMAT ESSENTIALS

84 PAGES OF ADVICE!

The UK's no. 1 Mac magazine

Advanced iMovie edits

Use all the tools available to you

Get smarter with iTunes

Discover new Smart Playlist tools

Budgeting in Numbers

Get a handle on your cash flow

THE LATEST KIT REVIEWED

- > 2.26GHz MacBook
- > 27-inch Apple iMac
- > Amazon Kindle 2

AND MUCH MORE!

Fix probl
Enhance your images
Get organised
Order photos

iPhoto

The Ultimate Guide

Improve & organise your photos with ease

iPHONE APPS

Get fit for 2010

With the help of your iPhone!

Mastering OS X

Mac file sharing options in full

HEAD TO HEAD

VMWARE FUSION 3
Parallels Desktop 5 for Mac

Which virtual PC?

The best app to run Windows

DISC INSIDE!

> **Advanced Link Manager** Find who is linking to your site

> **New Star Soccer 4** Great football management sim!

techradar.com
Future MEDIA WITH PASSION
JANUARY 2010 £5.99 £6 OUTSIDE UK & ROI
9 771353 851021 01>

Extend your Apple® MacBook® battery life up to

34 hours!

HyperMac
7:45
slide to unlock

External Battery and Car Charger for MacBook

Four different capacities to choose from

HyperMac External Battery for MacBook comes in 4 different sizes (60/100/150/222Wh). In comparison, the MacBook Air internal battery is only 37Wh.

Power your MacBook & any USB device (iPhone)

Power and recharge your MacBook continuously for up to 34 hours or recharge your iPhone up to 52 times with the built-in USB power port.

Original Apple MagSafe power connecter/cable*

HyperMac uses original Apple MagSafe™ power connectors for maximum compatibility, allowing every battery to work with all MacBooks models.

The better way to power MacBook on the road

HyperMac Car Charger powers your MacBook via DC power and is safer, higher fidelity, more efficient and compact than traditional AC inverters.

www.hypermac.eu/mf | +31-(0)-26-4720801 HyperMac

© 2009 Sanho Corporation. Apple, and MacBook are registered trademarks and MagSafe is a trademark of Apple, Inc. All rights reserved. * The MagSafe cable and connector is manufactured by Apple, Inc. and modified to be compatible with HyperMac.

Welcome…

to MacFormat, the UK's No. 1 Mac magazine

>> SUBSCRIBE!

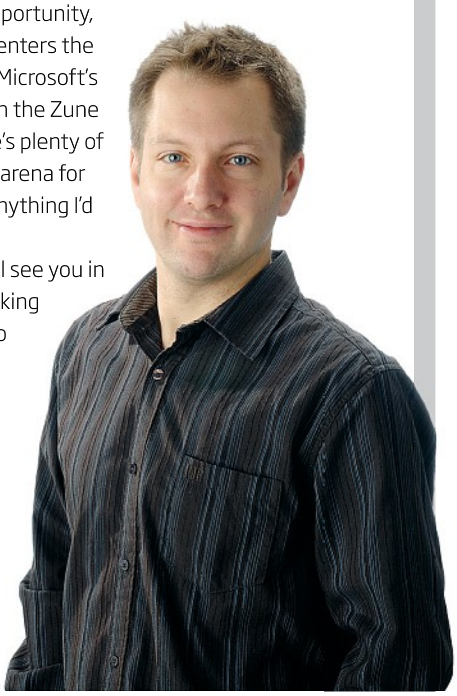
Mac FORMAT
APPLE'S DECADE OF INNOVATION
iPhoto
The Ultimate Guide

Subscribe to *MacFormat* to **save £27** on the newsstand price, and get an Intempo iDS01 iPod Speaker Dock as well. **Turn to p24!**

Looking back over the last decade, it's astounding what Apple has achieved. It's not until you take a step back that you appreciate the magnitude of its success. See this month's feature on a decade of Apple innovation on page 72 to get some perspective on the matter. Standouts for me include the iPod, the iPhone and the iTunes Store.

As we slip into the 21st century's second decade, it's natural to ask, "What next?" Well, if the rumours are to be believed, on the agenda is some kind of tablet Mac, which will be somewhere between an iPhone, an Amazon Kindle (reviewed on page 86) and a MacBook. And if the last 10 years has taught Apple's competitors anything, it's that you need to take your window of opportunity, because if you wait until Apple enters the market it's going to be too late. Microsoft's attempt to combat the iPod with the Zune has floundered, and while there's plenty of competition in the smartphone arena for Apple's iPhone, I haven't seen anything I'd want to give up my iPhone for…

Have a great Christmas and I'll see you in the New Year, when we'll be looking at how to get your Mac back into shape. Enjoy!



Graham Barlow, Editor
graham.barlow@futurenet.com
twitter.com/MacFormat

>> THIS ISSUE'S HIGHLIGHTS

> Latest Apple news
What's hot in the world of Apple **p6**

> Ultimate iPhoto
A complete guide to its features **p32**

> A decade of Apple
10 innovative milestones **p72**

> Questions answered
The latest Mac solutions **p76**

> New Macs reviewed
MacBook, Mac mini and iMac **p84**

> Latest Mac games
X3: Terran Conflict and *Up* **p100**

>> MEET THE TEAM / YOUR MACFORMAT EXPERTS!

Christopher Phin
Deputy Editor

"The first decade of the 21st century will be hailed as second in importance only to the launch of the original Macintosh computer."
Chris takes in 10 years of Apple innovation p72

Ian Osborne
Reviews Editor

"The new iMac's glossy screen offers an edge-to-edge glass design, with no surrounding aluminium bezel."
Ian gets his hands on Apple's new and huge 27-inch iMac p85

Christopher Brennan
OS X expert

"The recurring request to restart your Mac has become a stereotypical complaint with users – but it is a sensible course of action."
Chris on pressing the reset button p64

Luis Villazon
Technical wizard

"What Apple forgot to mention is that with Snow Leopard, the account name field is now case sensitive."
Luis answers your questions about user accounts in OS X p76

Craig Grannell
Software guru

"My arms tried to make a break for it on hearing the number '100', followed by the word 'push-ups'."
We challenge Craig to get fit with only an iPhone and a tenner p26

Mac FORMAT Contents

● NEWS & OPINION ● STEP-BY-STEP TUTORIALS ● LATEST REVIEWS ● MAC BUYERS' GUIDE

ISSUE AT A GLANCE

How to...

Do more with your Mac today

16 pages of great tutorials for improving your Mac skills **p51**

Q&A

Answers to your Mac questions

Start here for some simple solutions to Mac problems **p76**

Reviews

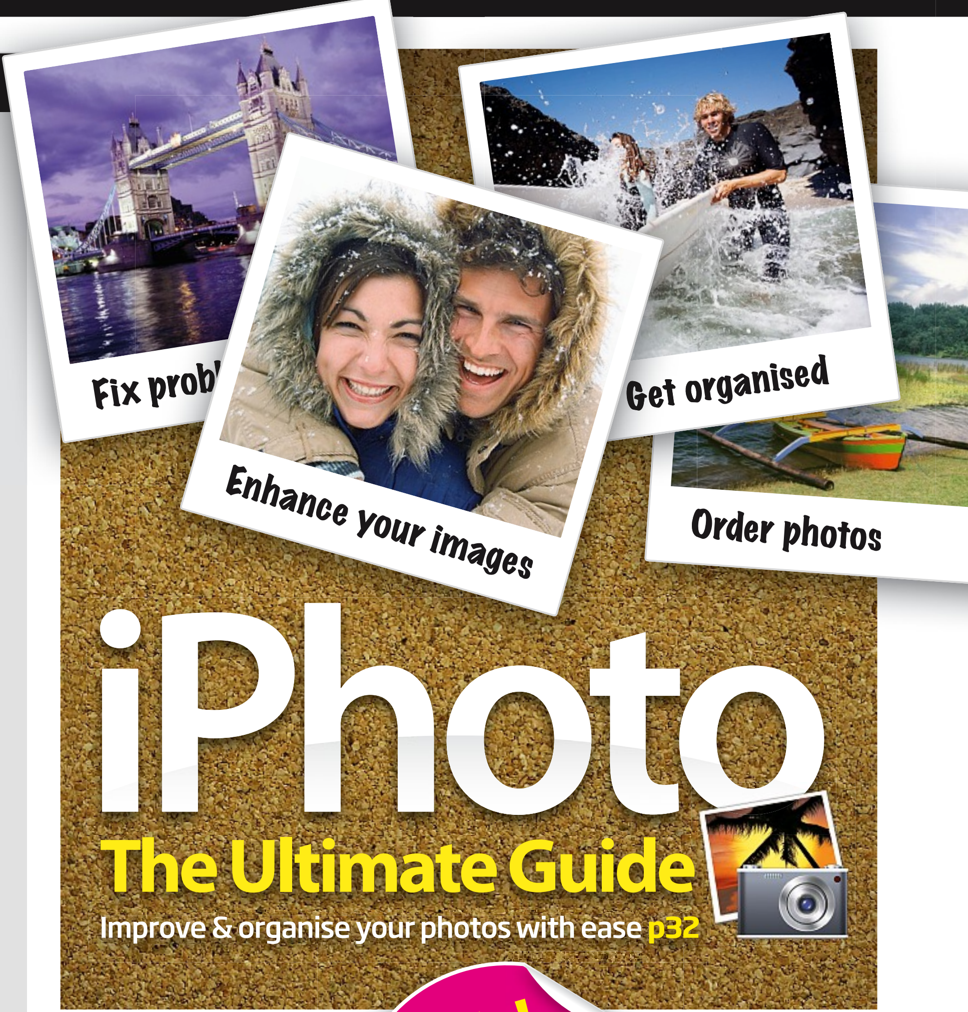
Discover the latest Apple kit

Read our verdict on new Apple hardware and software **p83**

Buyers' Guide

The best Mac & iPod products

Don't buy a new Mac until you've read our Buyers' Guide **p115**

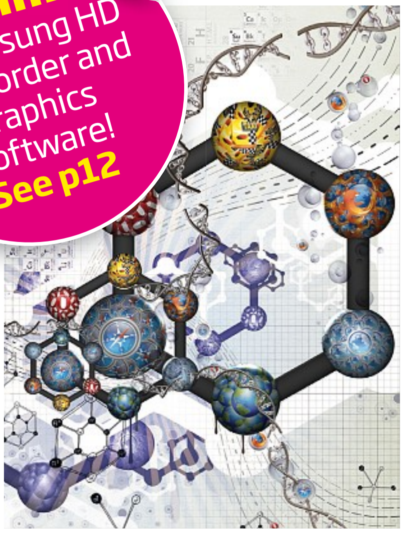


iPhoto

The Ultimate Guide

Improve & organise your photos with ease **p32**

Win! A Samsung HD camcorder and graphics software! **See p12**



Get fit, get iPhone!

Is there really an app for that? **p26**

Web browsers

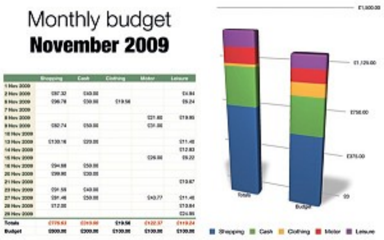
We put six to the test **p106**

"The iMac line, reinvigorated the entire industry, while the iPhone is helping Apple shape an entirely new platform…"

A DECADE OF APPLE INNOVATION P72

> Smart Playlists

Tidy up your music in iTunes **p58**


Monthly budget
November 2009

> Get budgeting

Track your cash with Numbers **p62**

"Despite the lack of buttons, it's the best mouse Apple has produced"

APPLE'S MAGIC MOUSE P87

>> ON THE DISC

> New Star Soccer 4

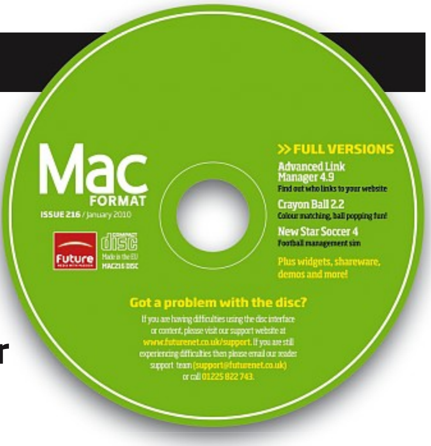
Get your virtual boots on!

> Crayon Ball 2.2.0

A puzzle game for all to enjoy

> Advanced Link Manager

Increase your website traffic



>> FULL VERSIONS

Advanced Link Manager 4.9
Find out who links to your website

Crayon Ball 2.2
Colour matching, ball popping fun!

New Star Soccer 4
Football management sim

Plus widgets, shareware, demos and more!

Got a problem with the disc?

If you are having difficulties using the disc interface or content, please visit our support website at www.futurenet.co.uk/support. If you are still experiencing difficulties then please email our reader support team (support@futurenet.co.uk) or call 01225 822 743.

All your Apple needs
Mac FORMAT
> Mac > iPod > iPhone
> Issue 216 January 2010

APPLE'S DECADE OF INNOVATION
10 magic milestones in Apple history

MACFORMAT ESSENTIALS
84 PAGES OF ADVICE!
The UK's no. 1 Mac magazine

Advanced iMovie edits
Use all the tools available to you

Get smarter with iTunes
Discover new Smart Playlist tools

Budgeting in Numbers
Get a handle on your cash flow

THE LATEST KIT REVIEWED
> 2.26GHz MacBook
> 27-inch Apple iMac
> Amazon Kindle 2
AND MUCH MORE!

Fix prob
Enhance your images
Get organised
Order photos

iPhoto
The Ultimate Guide
Improve & organise your photos with ease

IPHONE APPS
Get fit for 2010
With the help of your iPhone!

Mastering OS X
Mac file sharing options in full

HEAD TO HEAD
Which virtual PC?
The best app to run Windows

DISC INSIDE!
> Advanced Link Manager
Find who is linking to your site
> New Star Soccer 4 Great football management sim!

techradar.com
Future

>> Regulars

Start-up
Hot Apple news **6**

Competition
Win a Samsung HD camcorder **12**

Me & My Mac
At home with a Mac **14**

I Use My Mac for…
Writing novels **16**

Gadgets
Great new kit **18**

Letters
Have your say **20**

Can you get fit with an iPhone?
We investigate **26**

Subscribe to MacFormat
Never miss an issue again! **24,91**

iPhoto: the ultimate guide
Everything you'll ever need to know **32**

How to…
Improving Mac skills **51**

A decade of innovation
A look back at Mac **72**

Q&A
Problems solved **76**

Reviews
Definitive tests **83**

Mac User Groups
Meet with others **105**

Buyers' Guide
How to choose your new Mac **115**

Disc pages
On your disc **128**

>> WHY NOT ALSO TRY?

Like MacFormat? Then you'll love our MacFormat Presents… series of special issues. **Turn to page 97 to find out more!**

MIGRATE EASILY FROM YOUR WINDOWS PC!
Mac presents
Switch to Mac
Get started with a new Mac today!
100 PAGES OF HELP & ADVICE
Welcome to the Mac!
✓ Simple ✓ Stable ✓ Secure
techradar.com

>> MORE NEWS
For even more on the Mac, iPod and iPhone visit
www.macformat.co.uk

The Windows upgrade war

Apple's Get A Mac bid for XP users on the Windows 7 launch…

NEWS IN BRIEF

Mac OS X Snow Leopard

Mac OS updated

Mac OS X 10.6.2 Snow Leopard is now available offering a selection of fixes and improvements, including prevention of the 'Guest Account' bug that could destroy data held in a main user account. Mac OS X 10.6.2 also improves graphics, *Mail*, *Exchange*, *Safari* and *Address Book*, and improves support for Apple apps making them more reliable.

During the autumn of 2009 the Mac vs PC operating system war intensified. Apple muddied the Windows 7 launch by introducing its Intel-only Snow Leopard OS at a price Windows customers could only dream of. And that's not the only response Apple's made to Microsoft's "better than Vista" promise.

Released at the end of August 2009 at a cost of just £25 (including VAT), initial Snow Leopard sales definitely impressed. Microsoft then went on to introduce Windows 7, winning praise from the PC press for being the OS Vista 'should have been'.

Plenty of pre-launch excitement meant that UK pre-sales of that operating system set brand-new Amazon pre-order records. And, in the US, the NPD Group reported Windows 7 unit sales increased 234% over Vista's initial levels.

Apple has identified that Windows XP users (who account for around 70% of Windows OS marketshare, according to the October 2009 figures from HitsLink) as the mainstay of Microsoft's 92.5% dominance of the computer market (Net Applications, October).

However, upgrading from XP to Windows 7 is certainly not a trivial process for users, who must make sure they:

- Back up everything to an external drive
- Reformat their PC
- Reinstall all applications
- Replace all personal files

Apple's VP Worldwide Marketing, Phil Schiller, observes, "Any user that reads all these steps is probably going to freak out a little. If you have to go through all that, why not just buy a Mac?"

Apple's betting PC users will take the Windows 7 release as a chance to switch to Mac.

PC ACTION NEWS
Windows 7: The Big Upgrade

> "Apple has identified Windows XP users as the mainstay of MS's 92.5% dominance of the computer market"

APPLE IN PICTURES / Louvre for Apple

Image courtesy of Apple

BIENVENUE! Apple's very first Paris retail store opened at the heart of the arts - Le Carrousel du Louvre - in early November.

Reinforcing the point, Apple's latest trio of 'Get A Mac' ads are focused on Windows 7, with one ad, 'Broken Promises', reflecting that each Windows release so far has been big on promised improvement, but short on delivery. Another, 'PC News', points out that when upgrade hysteria hits, why not upgrade from XP to "the computer that's number one on consumer satisfaction?".

Microsoft has been aiming at Apple with its advertising in recent months, with its 'Laptop Hunter' ad observing the higher price of a Mac in comparison to some PC notebooks. Apple's mid-year move to reduce prices on its notebooks saw Microsoft forced to stop making these claims in its ads. Microsoft has even opened its first own-brand retail store in the US, designed to emulate Apple's own, even to the extent of offering expert advice at the Windows Guru counter. The company plans a chain of these Apple-inspired shops, placing them close to Apple's existing retail stores. This activity reflects an attempt to convince those XP users on whom Microsoft's OS dominance are based to choose Windows 7.

Early reports from InfoWorld's Windows Pulse service underline the challenge: "As Windows 7 picks up user shares, it seems to be making most of its gains at the expense of Vista. In fact, there seems to be a direct correlation between Windows 7 adoption and Vista abandonment, with the latter losing a percentage point and the former gaining the same in a little over a week." Infoworld confirms there's more demand for 7 than Vista, but XP users aren't migrating fast.

Microsoft's bid to be seen as an Apple alternative led its partner group manager, Simon Aldous, to tell PC Retail, "One of the things that people say about the Apple Mac is that the OS is fantastic, that it's very graphical and easy to use. What we've tried to do with Windows 7 is create a Mac look and feel in terms of graphics." Microsoft later dismissed his remarks as "inaccurate and uninformed", but clearly even within the company many fear that XP users see the Mac as the better system ●

APPLE IN NUMBERS

54%

Amount of Europeans whose next phone will be touchscreen.

"Hell, Apple could buy Dell – cash – today and still have change…"

Christopher Phin speculates on how far Apple has come over the years.

Apple talk

Who's saying what?

Larry Ellison

www.oracle.com

"He'd rather have nothing if he couldn't have perfection."

Oracle boss reflects on Apple's CEO.

Ken Segall

www.kensegall.com

"He surrounds himself with creative people and gives them room to be creative."

Former TBWA\Chiat\Day creative director talks Jobs.

Bill Campbell

www.intuit.com

"There hasn't been a day in Steve's life that he doesn't get up, think about the company he works for, or what he's going to do next."

Intuit chairman and Apple board member on Jobs.

Andrea Jung

www.avon.com

"I feel like I'm part of history being made. I leave Apple board meetings thinking, 'I've got to do a better job.'"

Avon boss and Apple board member is Apple-inspired.

Jen-Hsun Huang

www.nvidia.com

"Apple says to customers: if you buy a computer from us you can be sure we have selected the best technology for you."

Nvidia CEO explains why he uses Macs at home.

Have you heard any great Apple quotes? Email us at macformat@futurenet.com

>> IN THE SPOTLIGHT

Fruit in the orchard

Christopher Phin

Preparing this issue’s feature on the top milestones in the past 10 years of Apple’s history was a salutary experience. It was a chance for me – someone who spends all of his professional life and a good chunk of personal time immersed in everything Apple – to step back and take a look at the bigger picture.

And, my God – have you seen what’s happened to Apple since the turn of the millennium? It’s a proper company, with success and prospects and everything. If you came to the platform since 2000, you won’t immediately understand why I’m surprised. If you decided to give the Mac a try after falling in love with an iPod; if you wandered into an Apple Store and thought one of those new MacBook things looked swell; if you think nothing of downloading an album on your iPhone while waiting for the train; then you’re lucky.

If, however, you lived through the dark inter-Jobs years, when Apple’s product lines were a little dull, look at Apple now. It’s no longer a niche company producing expensive hardware; no longer the butt of the technology industry; not merely out-performing most other companies in terms of growth and profit, but helping shape, with the iPhone OS, the pocket-computing platform; and, it promises to dominate this market like it never dreamed of doing with Mac OS.

> *“Have you seen what’s happened to Apple? It’s a proper company, with success and prospects and everything”*

Hell, Apple could buy Dell – cash – today and still have change. Quite a change from the previous century in which Michael Dell, in response to the question, what would you do if you were Apple’s CEO, said: “I’d shut it down and give the money back to the shareholders.” It’s easy to be smug about such misplaced chutzpah now, but back then it seemed like an eminently, ominously sensible option.

So hurrah for Apple! To have not merely marked time, but stormed ahead (the share price is now nearly 10 times what it was a decade ago, and that’s including two splits) is impressive. And the best bit? We’ve got some genuinely brilliant products out of it.

MF’s resident jobsworth, Chris Phin, now has work email installed on his iPhone. Email him on christopher.phin@futurenet.com.

>> iPHONE TARIFF

iPhone on Orange: No price war… yet

Orange unleashes its iPhone tariffs

Hopes Orange’s introduction of the iPhone in the UK would lead to a price war with O2 were dashed when the former firm revealed its tariffs.

Prices see a 32GB iPhone 3GS costing £96.50 on Orange’s £44.04 per month, two-year contract; on O2, the same handset costs £96.89 on a £44.05 per month, two-year contract. Orange offers the iPhone 3G for free on a two-year, £29.36 per month contract, undercutting O2’s cheapest offer by £4.90. “It’s not the price war we were expecting so we hope Vodafone shakes things up,” commented Recombu analyst, Andrew Lim.

Orange hopes its extensive 3G network coverage will attract customers. Focusing on this, Orange’s latest ad campaign, declares its advantages as it tries to generate iPhone sales in advance of Vodafone becoming the third UK carrier to offer the device.

Reaction on the November 10 iPhone launch on Orange was strong.

Despite Orange’s network coverage, its promise of “unlimited” data use caused controversy, with potential iPhone customers noting that it is limited by a 750MB fair-usage cap – there’s no such cap on O2. Orange’s Conor Maples countered that most European iPhone users consume under 200MB of data per month. Reports 3G access to iPlayer, Facebook or Spotify may not be allowed were also denied. Orange has introduced an Orange Wednesdays app offering discount cinema tickets. Vodafone introduces the iPhone next year and promises “surprises” to customers. ●

>> APPLE IN NUMBERS

20%

O2 data traffic has increased 20-fold in the past 12 months.

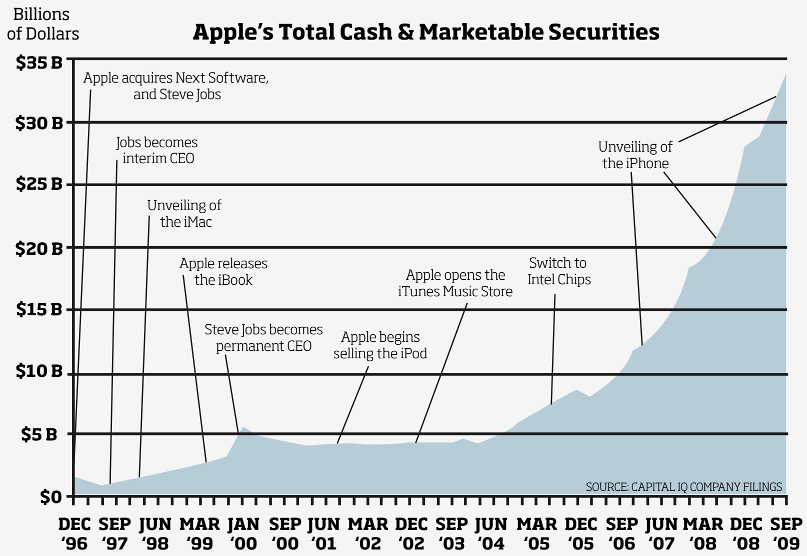
Monthly cost (Pay Monthly contracts)	£29.36 (24 month)	£34.26 (24 month)	£44.04 (24 month)	£73.40 (24 month)	£122.34 (24 month)	£29.36 (18 month)	£34.26 (18 month)	£44.04 (18 month)	£73.40 (18 month)
iPhone 3G 8GB Black	free	free	free	free	free	£96.50	£96.50	free	free
iPhone 3GS 16GB Black or White	£125	£87	free	free	free	£184.50	£184.50	£87	free
iPhone 3GS 32GB Black or White	£225	£175	£96.50	free	free	£274	£274	£175	£96.50
Minutes	150	600	1200	3000	unlimited	150	600	1200	3000
Texts	250	500	500	500	unlimited	250	500	500	500

All offer up to 750MB data use per month (including BT Openzone WIFi). Business Tariff available.

iPhone on Pay as You Go tariffs	Monkey	Dolphin	Canary	Racoon	Camel
Benefits	Free music & texts	Free texts	Free evening and weekend calls	15p calls & 10p texts	Call abroad from 5p
iPhone 3G 8GB Black	£343	£343	£343	£343	£343
iPhone 3GS 16G Black or White	£440	£440	£440	£440	£440
iPhone 3GS 32GB Black or White	£539	£539	£539	£539	£539

All offer up to 250MB per month of data and 750MB fair usage limits apply. BT Openzone WiFi and 3G data limits don’t apply if using your own WiFi network, of course.

APPLE IN NUMBERS / Cash in the Apple



This chart illustrates the rapid growth of Apple's cash reserves since Steve Jobs return in December 1996. On December 27, 1996, Apple had $1.8 billion in cash and securities – now it has $34 billion. Thanks to a Silicon Valley Insider.

ECONOMIC NEWS

Apple's UK growth

Apple impressively kicks industry trends

Apple maintains its seat among the top-five UK computer makers in the third-quarter of 2009 and, kicking the trend, is seeing sales and shipments grow while many other PC makers experience decline.

The analysts at Gartner confirmed that most PC makers are facing challenges, noting, "Interestingly, two vendors at either end of the price spectrum are winning the battle. At one end, Acer continued to provide price-conscious products through multiple channels to attract a wider buying audience. And, at the other end, Apple leveraged the "halo" effect of the Apple brand that is created by the iPods and iPhones into the PC arena, dominating the mid- to higher price brackets," said analyst Ranjit Atwal.

PC shipments in the UK totalled 3.3 million units in the third quarter of 2009, a decrease of 2.4% compared with the same period in 2008. "The decline in the PC market in the UK has slowed down and the return to growth will be a slow and difficult process," said Atwal. "While the consumer market continued to defy the economic environment, the business market was still very weak."

In the UK, Acer beat Dell to seize the number-one position. Apple isn't home and dry, however, Samsung is close behind with 4.8% market-share after a year in which it managed to achieve 206.6% growth year-on-year.

Apple's UK achievement is remarkable – it generated 26.6% growth in the UK market, which itself shrank 2.4%.

APPLE IN NUMBERS

$1 million

Pizza Hut's US app generates $1 million in pizza sales.

HOT OR NOT?

The latest word from the Apple rumour mill

HOT: iPhone nano for 2010
Chatted about since 2008, new claims state Apple's developing a smaller (2.8-inch) model mobile for use on CDMA networks, such as Verizon.

HOT: Apple takes on cable
Reports claim Apple's will approach TV producers to arrange a deal that sees *iTunes* users pay to access TV shows. A natural next-step for *iTunes's* TV offering?

NOT: iPhone to host RFID reader
Apple's next iPhone may be equipped with an RFID reader, for wireless syncing and more. Great idea, but we can't see it happening just yet.

NOT: Steve Jobs stole the iPod
Franz Wakefield is claiming he invented the iPod in 1983, but the design was stolen from him by *Sex In The City* star, Sarah Jessica Parker, who then sold it to Jobs…

Apple on TV

The Mac is ready for its close-up

Many thanks to *MacFormat* reader, Alison Ogilvie, who spotted best-selling crime author, Alexander McCall Smith, working away at his Mac during the Crime Thriller Awards on ITV3 on Tuesday 27 October.

If you've spotted a Mac on television, then email macformat@futurenet.com and tell us all about it!

>> ACROSS THE POND

Mouse misery

Susie Ochs

Dear Apple, thanks for nothing. Look, I realise this is the best time in history to be an Apple fan. The newest Macs are design nirvana. I would have my iPhone surgically implanted in my arm if I could. Plus, this is simply Apple's moment. We can finally strut proudly with the smug sense of self-satisfaction that the world at large is finally catching up to our superior tastes.

But you had to make the Mighty Mouse. Suddenly I found myself on the ropes, having to explain to Apple detractors that the Mac still rules despite its freaky input device. Just like I'd been doing since I got my first iMac in 1999, with that stupid round hockey-puck mouse.

Why, Apple? I thought I was done having to explain that yes, the Mighty Mouse includes right and left buttons, it's just that you can't see them. That mouse came out in 2005, but four years later my PC-using friends and colleagues still make fun of it, and I take the bait every time. And now we have the Magic Mouse, which doesn't even have divisible parts. It's like the Mighty Mouse, what with its hidden buttons – you can press it and get a nice satisfying right- or left-click – but there's no scroll wheel, no side buttons, and its odd spaceship-like shape are doing it no favours, and brought the same derision and jeers from my PC pals, all over again. They don't care about the Multi-Touch tricks, they just want to make fun of the twee name and tease me about Macs not being able to right-click.

> *"There's no scroll wheel, no side buttons, and its odd spaceship-like shape are doing it no favours…"*

It's my fault. I need to stop playing right into their mean, nasty, scroll-wheel-reliant hands. I should arm myself with some comebacks – maybe a snappy line about the utterly insane OpenOffice.org 18-button mouse (behold its freakishness at **www.openofficemouse.com**).

Anything's better than my standard response, which is to put one hand on my hip, fix a steely-eyed stare, and retort snottily, "Who's making you use the Apple mouse anyway, chump? My mouse is made by Microsoft."

***Mac|Life*'s Senior Editor Susie Ochs is the proud owner of three Microsoft mice. She was also teased too much as a child.**

>> APP NEWS

Discover apps with Chorus

New social app helps you find rare gems

The App Store now offers more than 100,000 apps – but finding new apps remains a challenge.

"The iPhone SDK created the first great platform for mobile applications and our customers are loving all of the apps our developers are creating," said Apple Marketing Head, Phil Schiller.

With many apps available but limited discovery tools, it's challenging for developers to reach customers, meaning most apps see few downloads, Appsfire reports:

- Just five apps are on half of all iPhones/iPod touch devices
- The top 1,000th-ranked app is on 1.76% of devices
- After the top 20,000th-ranked, almost no installations take place
- 80% of apps experience little traffic

That most developers don't get the sales they expect has opened Apple up to criticism. *iTunes 9* saw Apple add *Genius* recommendations into *iTunes*, but this only helps in instances where apps have been sufficiently downloaded for concrete data to be put together by that technology. Further, discovery is more limited than *iTunes* when using an iPhone or iPod touch, which most users employ to find new apps. Challenge is opportunity, with developers moving to marry social networking with app discovery. envIO has introduced *Chorus* (free), one of the first apps designed to boost discovery. It lets users connect with others to see which apps they're using, which apps they rate, and reports new apps as they are released. It also helps users connect with friends from social networking sites. Users can also publish opinions and ratings of apps and receive recommendations. *Chorus* debuts in the UK early next year. ●

>> APPLE IN NUMBERS

2 billion

Number of apps downloaded through the App Store.

Stockwatch

A look at the world of Apple business with Clem Chambers

At $200 a share, Apple's market cap is $180,000,000,000.

Apple's price is zigzagging with the market as a whole. To get towards $300 a share will take a new wonder product to add to the stable of smash hits it's already had. Apple, like Pixar, has to do the impossible and roll out hit after hit. So far it's managed to keep them coming.

The Apple formula is to transcend a basic idea and produce something that redefines the object and its agenda.

Only Apple really understands paying for content. Most hardware companies pillage software people. Apple welcomes them and offers them a cut of the action for their product. Mobile companies don't get this at all.

So with the Apple tablet plugged into a jungle of iTunes content fuelled by empowered software developers, Apple could once again be on to a hit. If this happens, the stock could head on up to $300 and past Microsoft in market capitalisation.

Clem Chambers is CEO of ADVFN, Europe's leading stocks and shares website.

>> SOFTWARE UPDATE

New and updated Apple TV ships

Improved new software puts users back in control

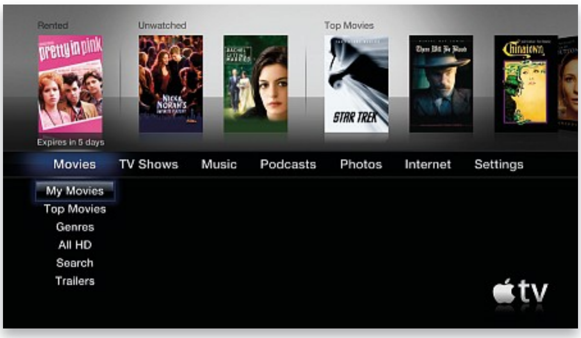
Apple has introduced *Apple TV 3.0.1*. This new software now offers a redesigned menu that makes it much easier to navigate through your content.

The software also offers support for iTunes Extras and iTunes LP content, which must be re-downloaded if you purchased these items in advance of the software's introduction.

However, the initial release of the new code created a few problems in which content may disappear from Apple TV. This prompted Apple to release a second update just a few days after the first release.

This version adds access to thousands of internet radio stations. Also new for this update is support for those one dozen never-ending Genius Mixes based on music you already own that was first introduced within *iTunes 9*.

The usability improvements include movement of the menu item, which offers access to content you already own from the bottom of navigation lists to the top. This is a reversal of these menu's previous built-in attempt to encourage further *iTunes* purchases.



The latest update to Apple TV includes a redesigned menu for easier navigation.

Another extra improvement that comes with this version is Apple TV's support of HD photos, which is enhanced with *iPhoto* Events. This simplifies finding your favourite photos on Apple TV. There is also *iPhoto* Faces, which gives access to photos organised by people identified in *iPhoto*.

"The new software for Apple TV features a simpler and faster interface that gives you instant access to your favorite content," said Eddy Cue, Apple's Vice President of Internet Services."

The software is available as a free download to Apple TV users.

The 160GB Apple TV costs £219 (including VAT). ●

>> APPLE EVENTS / What's going on?

MACFORMAT
Issue 217
6 January
Catch up with all the latest Apple happenings in the first *MacFormat* of 2010, soon after New Year.

BETT
13-16 January 2010
Apple is always guaranteed to make a splash at this essential annual UK education technology show, taking place days after CES in 2010.

MACWORLD CONFERENCE AND EXPO
San Francisco
9-13 February 2010
Apple has already abandoned this event; will the rest of the industry follow Cupertino's lead?

CES, Las Vegas
7-10 January 2010
The Apple-focused CES area expands to 25,000 square feet next year, though Apple's not presently signed up to exhibit.

NAMM, Anaheim, CA
14-17 January 2010
NAMM is a major event, see the latest technologies and innovations for music creation launch at this show.

CEBIT, HANNOVER
2-6 March 2010
Europe's largest technology showcase attracts many decision makers from across the globe to its many halls.

Join us online

Website

Visit www.macformat.co.uk to read the latest blogs and Apple news.

Podcast

Download MacFormat This Week from the iTunes Store or our website.

Forum

Visit forum.macformat.co.uk to chat to other MacFormat readers online.

Twitter

We're now on Twitter! Follow our tweets at twitter.com/MacFormat.

Facebook

Visit our Facebook group. Just do a search for "MacFormat" to find us.

Fancy a Samsung HMX-H100 HD camcorder plus pro animation software?

Photography by Joby Sessions

ANIME STUDIO 6
POSER 8
ANIME STUDIO PRO 6
PRIZES WORTH MORE THAN £1100!
KREUZNACH
10X VARIOPLAN · HD f=3.3-33.0mm F:1.8 ø37
STBY 00:00:00
[0Min]
2880
HD
Q.MENU

Win! A Samsung HD camcorder and software

Pro graphics packages and a Samsung HD camcorder must be won!

Smith Micro distributes some of the most exciting art packages on the Mac. *Anime Studio Pro 6* is ideal for creating professional-quality animations, offering powerful vector-based drawing tools. If the *Pro* version is more than you require, *Anime Studio Debut 6* is a cheaper alternative. *Poser 8* is another professional-quality package, and is ideal for creating 3D characters. Packed with helpful tools and templates, you can build realistic 3D animations in minutes.

Thanks to Smith Micro, we've got a great prize bundle to give away. One lucky winner bags a Samsung HMX-H100 HD flash memory camcorder with 10x optical zoom and a copy of *Anime Studio Pro 6*. Second prize is a copy of both *Anime Studio Pro 6* and *Poser 8*, with a third lucky winner receiving *Anime Studio Pro 6*. Six runners-up will win copies of *Anime Studio Debut 6*.

The question

To stand a chance of winning this stunning prize, just answer this simple question:

Which of the following cartoon characters is associated with the Japanese Anime style?

A) Mickey Mouse

B) Akira

C) Superman

For more information on *Anime Studio Debut 6*, *Poser 8* and other exciting Smith Micro products, go to **www.smithmicro.com**.

HOW TO ENTER

- To enter, text ANIME, followed by a space then your answer (A, B or C), space, then your name and address to 87474; or enter via our website at **www.macformat.co.uk** and click on the **Competition** link.
- By sending your entry, you agree to these competition rules and you confirm you are happy to receive details of future offers and promotions from Future Publishing Limited and carefully selected third parties.
- If you do not want to receive information relating to other future offers and promotions, then please include the words NO INFO at the end of the text message you send.
- Texts will be charged at £1 plus your standard network tariff rate.
- Competition closes on 5th Jan 2010.

"Oh my Gosh what a deal it gives me a warm and cuddly feel!"

This is... computer warehouse

A time warp CW design from 1996...

COMPUTER WAREHOUSE 1988 · 2009 21 YEAR ANNIVERSARY

Authorised Reseller

CWXtra! LOYALTY SCHEME
The More you Spend The More you Get!

EDUCATION DISCOUNTS | PRICE MATCH! | BUY NOW PAY LATER!

APPLE iMAC & MACBOOK BLOWOUT!!

CW SUPER OFFERS ON 20-INCH iMACS

NO-ONE CAN BEAT CW'S ONLINE PRICE!

Well trust 'ol CW - he's gone and done it again with these Super Autumn iMac deals. This is your LAST CHANCE to own a superb 20-inch iMac and SAVE £££'s to boot! These machine bristle with fantastic features, fast processors, wireless keyboards, fast networking and MORE. Your photos and movies will look bigger and more beautiful than ever on the 20-inch iMac's amazingly slim, glossy widescreen display. High-performance NVIDIA graphics bring all the speed you need to the latest 3D games and graphics-intensive applications.

GREAT FEATURES

- 2.66GHz Intel Core 2 Duo
- 2GB RAM memory
- 320GB Hard Drive
- 8x double-layer SuperDrive
- NVIDIA GeForce 9400M graphics
- Includes OS X 10.6 "Snow Leopard"

A COOL CW LIMITED OFFER*

~~£825~~
Previous CW Price

£738

£848.70 Inc VAT • (834€) • Supersonic CW Offer

EARN **848** CW XTRA BONUS POINTS!

Shown with optional wired extended keyboard and mouse

A COOL CW LIMITED OFFER*

2.1GHZ MACBOOK

Open your MacBook and you're instantly greeted by glorious full screen brightness. Anything you view, including the glossy widescreen display itself, is a spectacular experience. The LED-backlit display is more power efficient. And it's mercury- and arsenic-free, so it's greener than ever.

GREAT FEATURES

- 2.13GHz Intel Core 2 Duo
- 2GB RAM memory, 160GB Hard Drive
- 13.3" LED Backlit display
- 8x double-layer SuperDrive
- NVIDIA GeForce 9400M graphics
- Includes OS X 10.6 "Snow Leopard"

EARN **688** CW XTRA BONUS POINTS!

~~£689~~
Previous CW Price

£599

£688.85 Inc VAT • (718€) • Supersonic CW Offer

HOT NEW APPLE iMacs, MacBooks & minis!!

iMAC 21.5-INCH LED

LED backlit screen with edge-to-edge glass covering nearly the entire front of machine.
3.06GHz Intel Core 2 Duo • 4GB memory
1920 x 1080 resolution • 500GB or 1TB HD
NVIDIA GeForce 9400M or ATI Radeon HD 4670 graphics (256MB)

FREE Shipping

FROM **£825**

£948.75 Inc VAT (990€) • Fabulous CW Autumn Offer

iMAC 27-INCH LED

3.06GHz Intel Core 2 Duo, Quad Core 2.66GHz Intel Core i5 or i7 2.8GHz Quad-Core Intel Core i7 • 4GB memory
1920 x 1080 resolution • 1TB HD
NVIDIA ATI Radeon HD 4670 (256MB) or ATI Radeon HD 4850 (512MB) graphics

FREE Shipping

FROM **£1169**

£1344.35 Inc VAT (1402€) • Fabulous CW Autumn Offer

MACBOOK 2.26GHZ

Just 1.08 inches thin and weighing only 4.7 pounds, MacBook features a sleek and durable unibody enclosure that slips easily into your bag or backpack.
2.26GHz Intel Core 2 Duo • 2GB RAM
250GB HD • NVIDIA GeForce 9400M graphics

FREE Shipping

ONLY **£689**

£792.35 Inc VAT (826€) • Fabulous CW Autumn Offer

Also availabe:
2.53GHz, 4GB RAM / 320GB model with 8x double-layer SuperDrive and...
Server version with Dual 500GB HD and Mac OS X Server Snow Leopard!

MAC mini 2.26GHZ

A faster processor, more memory, more hard drive space and more power fit inside one small square. - Cool!
2.26GHz Intel Core 2 Duo • 2GB memory
160GB hard drive • 8x SuperDrive
NVIDIA GeForce 9400M graphics

FREE Shipping

FROM **£433**

£499 Inc VAT (519€) • Fabulous CW Autumn Offer

CW IS NEVER BEATEN ON PRICE

Products and offers subject to change without notice and are for online purchases only. See Computer Warehouse Group Terms & Conditions available on request Consumer statutory rights are not affected. Prices exclude carriage. Euro prices subject to exchange rate.E&OE.

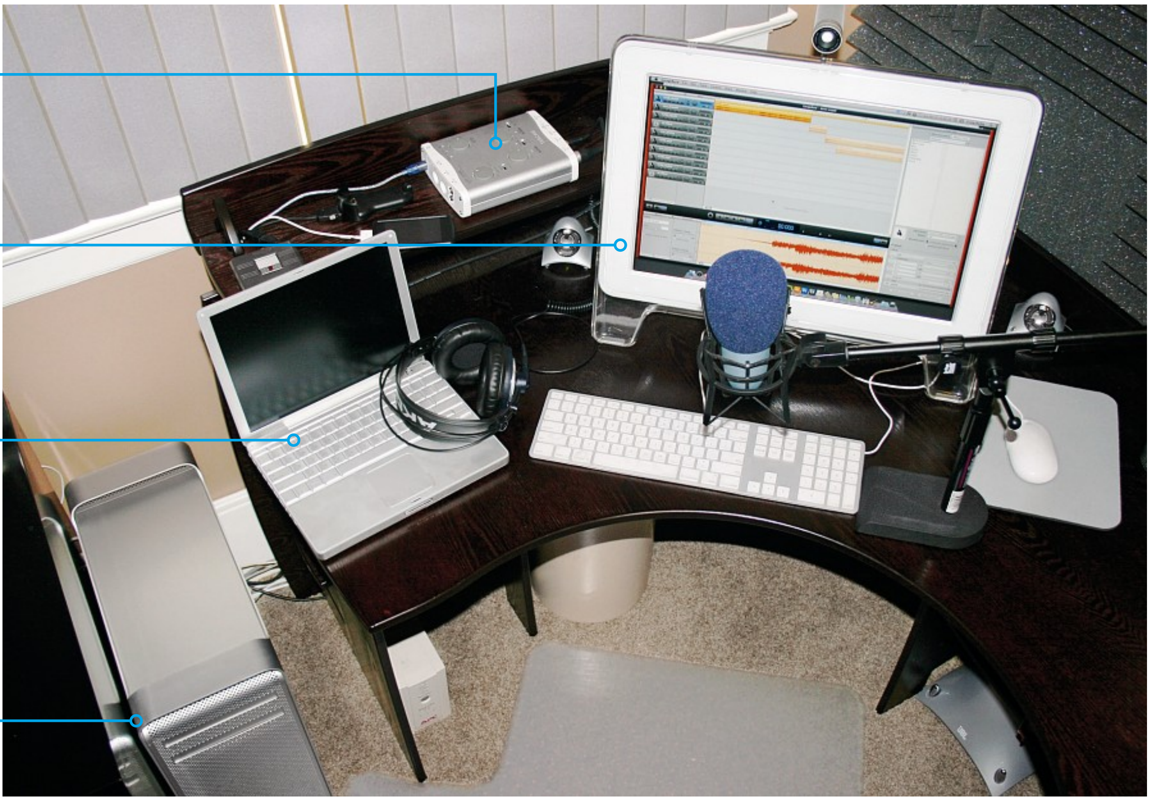
* Stocks LImited. Buy Now Pay Later Finance Example. Purchase price £2231.32 less £10% deposit of £223.13. Balance of £2008.19 payable in 36 monthly payments of £72.90. Total amount payable is £2847.53 including deposit and interest. APR 19.9%. Subject to status - terms and conditions apply.

www.cwbuy.co.uk ☎ Sales: 0208 400 1234

Me&MyMac

MacFormat readers share their beloved Mac setups

>> CONTACT US
Want to share your Mac setup with us? Send a photo of your kit to christopher. phin@futurenet.com



TASCAM US-122L
This USB 2.0 audio interface lets Craig hook up his professional XLR microphones to his Mac.

Apple Cinema Display 20-inch
"All the Windows users in my office came by to gawk," Craig says!

PowerBook G4 12-inch 1.5GHz
Many of us have a lot of affection for this fantastic little powerhouse.

Mac Pro Quad-Core 3GHz
An extra internal hard disk plus *Time Machine* keeps everything backed up.

>> PROFILE
Name: Craig Bailey
Occupation: Radio show host
Been using a Mac for: 12 years
Favourite hardware: Mac Pro
Favourite software: iTunes, Illustrator, Coda

Craig Bailey worked at a local magazine in the late nineties, and when he started doing layout as well, he inherited his co-worker's beige Mac. "That's when I started using one in earnest. Shortly afterwards my Windows machine at home died an early death, so I replaced it with a graphite iMac DV SE and never looked back. (Actually, I remember using a Mac Plus or SE in my college's career office to write and print my first resumé in 1989!)

"I produce *Floydian Slip*, my weekly Pink Floyd radio show, on my Mac. For nearly 14 years I'd record the show for a local station by driving over to their studio, sitting down and playing CDs, all one after another, in real-time. It was all very old-school by today's digital standards! When I started syndicating the show to other markets this summer, I began recording it on my Mac and distributing it to my three affiliate stations through my website.

> *"When I upgraded to a PowerMac and put the iMac on eBay, it was like I was selling my own child…"*

"The MacPro provides plenty of power to record and manage the audio files, and it already had *GarageBand* installed, which has features to spare in piecing together a show like mine. I just had to invest in a broadcast-quality microphone, a USB audio interface to get the XLR mic into the Mac, a pair of headphones and I was up and running.

"I use the Mac for all of the marketing I do for the show, too. From designing promotional materials using *Illustrator* and *Photoshop*, to building and maintaining the website (www.floydianslip.com) using *Coda*, as well as researching and managing my affiliate stations database, and communicating with fans via email and the show's Facebook page… I couldn't do it without the Mac!

"I also do freelance web design under the moniker Random Precision Media. My Mac's the hub of that enterprise, as well."

And Craig's favourite Apple product of all time? "Probably the iMac DV SE. It was the first Mac I owned, so I have a soft spot for it. And it looked so cool with its translucent graphite case. When I upgraded to a PowerMac and put the iMac on eBay, it was like I was selling my own child. I dropped it off at FedEx to be shipped to the buyer, and I felt guilty." Don't worry, Craig – you're not alone! ●

.com

to the World´s largest Web Host

Over 9 million customers have spoken. Thank you for your loyalty and trust which have helped make us the leading web host worldwide!

For over 20 years 1&1 has provided cutting edge services and products to millions of users. A total of over 70,000 servers run in our state-of-the-art data centres. We utilise green energy and the latest technology to ensure that the high-security, speed and power demands of your website are met with ease.

1&1 invests in the future, we develop new technologies, are financially stable and dependable and will be hosting your website for many years to come!

DOMAINS

BEST OFFERS IN THE UK

.com

~~£8.99 per year~~

£4.99 first year*

WEB HOSTING

GET 3 MONTHS FREE*

Powerful hosting solutions for small to medium business sites.

1&1 Business Package
- NEW: 20 GB Web Space
- NEW: UNLIMITED Traffic
- 3 FREE .uk domains included

~~£8.99 per month~~

£0.00 for 3 months*

HURRY, OFFERS END 31/12/2009!

.co.uk, .me.uk, .org.uk domains now only £2.49 first year*

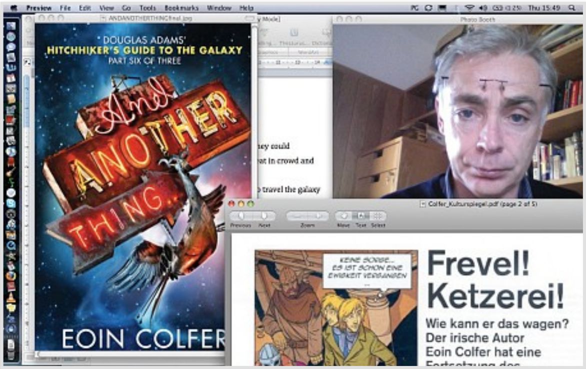
*Terms and conditions apply, please see website for further details. Get 3 months free on selected web hosting packages when you sign up for a 1 year package! Special offers available as of 01/11/2009 and for a limited time only. Prices exclude VAT.

MEMBER OF united internet

Call 0871 641 21 21 Calls cost 6p per minute from a BT landline, calls from other operators and mobiles may be higher.

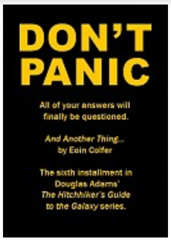
or visit us now www.1and1.co.uk

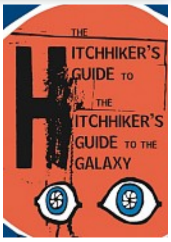
1&1

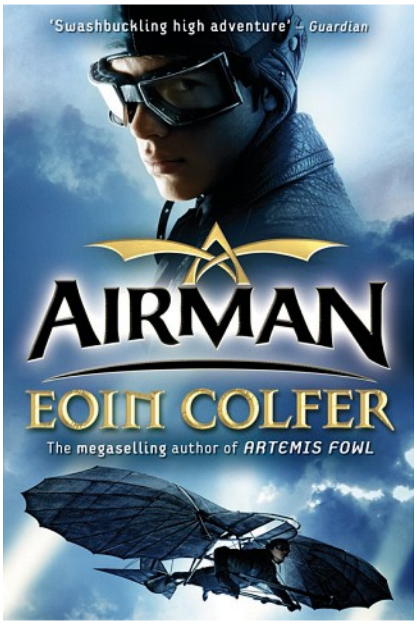

DOUGLAS ADAMS'
HITCHHIKER'S GUIDE TO THE GALAXY
PART SIX OF THREE
And ANOTHER THING
EOIN COLFER
Frevel!
Ketzerei!
Wie kann er das wagen?
Der irische Autor
Eoin Colfer hat eine

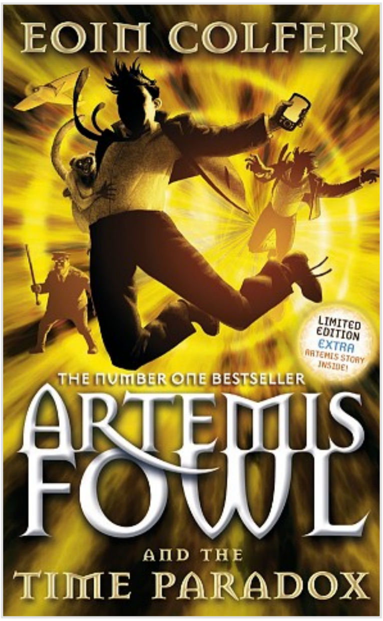
Above: Eoin on And Another Thing: "I don't think I was taking over Douglas's mantle. I see it more as a tribute to him."

Right: Eoin on Macs: "I never thought about buying a PC. I went straight for the Mac, for ease of use. The Mac makes you happy - it's as simple as that!"


DON'T PANIC
All of your answers will finally be questioned.
And Another Thing... by Eoin Colfer
The sixth installment in Douglas Adams' The Hitchhiker's Guide to the Galaxy series.


THE HITCHHIKER'S GUIDE TO THE HITCHHIKER'S GUIDE TO THE GALAXY


'Swashbuckling high adventure' – Guardian
AIRMAN
EOIN COLFER
The megaselling author of ARTEMIS FOWL


EOIN COLFER
LIMITED EDITION
EXTRA ARTEMIS STORY INSIDE!
THE NUMBER ONE BESTSELLER
ARTEMIS FOWL
AND THE
TIME PARADOX

I use my Mac for Writing novels

Craig Grannell asks Eoin Colfer about Macs and the writing of And Another Thing…

PROFILE

Name: Eoin Colfer
Location: Wexford, Ireland
Occupation: Writer
System(s): MacBook Air and external Apple display
Web: eoincolfer.com

MacFormat: What do you do and how do Macs help?
Eoin Colfer: I write fiction for young adults. I also tour a lot, so the MacBook Air is invaluable for that aspect, as well as research. I can bring it with me wherever I go, and if I've an idea about someone smoking a cigar in the 19th century, I can find online the colour of the band on the cigar, and get a little bit of realism!

MF: What applications do you most regularly use?
EC: I suppose I'm under-utilising the Mac, because I mostly just use *Word*, *Mail*, *Safari* and *iTunes*. But, because I've become a lot more involved in graphic novels recently, my Cinema Display is really helpful for viewing several pages at one time using *Preview*.

MF: Where do you get ideas for stories and characters?
EC: Characters come from family and friends. I watch people a lot, and try and pick up on their mannerisms. If you don't, all the characters become you and you become all the characters, which makes for boring reading. As for ideas, I grew up writing stories and making up situations, so it seems natural to me.

MF: You mostly write for young adults. Did it differ writing *And Another Thing…* for adults?
EC: When I started the new *Hitchhiker's Guide* book I thought I'd have to approach it differently, but I soon settled back into my own rhythm and realised there's not a huge difference in writing for teenagers and writing for adults. There are issues over appropriateness and what you can put in a young adult book, but that aside, I didn't need to think any harder to do an adult book.

MF: How was it to follow in the footsteps of Douglas Adams?
EC: It was very scary and I only realise now it could have totally killed my career had it gone wrong! I do ask myself why I took the chance, but I suppose I was so delighted to be asked that I couldn't pass it up. Luckily, the press have been kind, so hopefully it's a critical success now, which is important to me.
MF: What's your next project?
EC: I'm working on a musical with two friends. We're writing it on a Mac, and are zipping MP3s back and forth, so I can hear how things are going, wherever I am in the world. ●

LIMITED PERIOD OFFER

3 MONTHS FREE WEB HOSTING

£0.00

3 months FREE Web Hosting

Sign up today and pay absolutely **NOTHING** for 3 months!
Plus a choice of **Windows or Linux** operating systems, **Unlimited Bandwidth** and **24/7 Support.**

Simply choose a package that suits your needs and get 3 months absolutely **FREE!**

HOME PACKAGE

FREE £105 advertising vouchers
- ✔ **UNLIMITED** web traffic (bandwidth)
- ✔ Choice of Windows & Linux OS
- ✔ 2 GB UK web space
- ✔ Over 500 mailboxes
- ✔ MySQL (with Linux)
- ✔ PHP5, Perl, Python, ASP, ASP.NET 3.5
- ✔ Easy website builder
- ✔ Graphical web stats

WAS ~~£4.99PM~~
£0.00
FOR 3 MONTHS

DEVELOPER PACKAGE

FREE £105 advertising vouchers
- ✔ **UNLIMITED** web traffic (bandwidth)
- ✔ Choice of Windows & Linux OS
- ✔ 5GB UK web space
- ✔ Over 1,000 mailboxes
- ✔ 1 MS SQL 2008 database (with Windows)
- ✔ 5 MySQL databases (with Linux)
- ✔ PHP5, Perl, Python, ASP, ASP.NET 3.5
- ✔ SSL secure web space
- ✔ Custom error pages
- ✔ Graphical web stats

WAS ~~£8.99PM~~
£0.00
FOR 3 MONTHS

BUSINESS PACKAGE

FREE £105 advertising vouchers
- ✔ **UNLIMITED** UK web space
- ✔ **UNLIMITED** mailboxes
- ✔ **UNLIMITED** web traffic (bandwidth)
- ✔ Choice of Windows & Linux OS
- ✔ 2 MS SQL databases (with Windows)
- ✔ 10 MySQL databases (with Linux)
- ✔ PHP5, Perl, Python, ASP, ASP.NET 3.5
- ✔ Microsoft Exchange business-class email
- ✔ FREE Outlook 2007 software (R.R.P £99.99)
- ✔ Spam and virus scanning
- ✔ Load balancing – for maximum uptime
- ✔ Search engine optimisation tools

WAS ~~£15.99PM~~
£0.00
FOR 3 MONTHS

NEW & IMPROVED WEBSITE BUILDER
Included FREE with all packages

Plus: BUY A .COM GET A .CO.UK FREE visit fasthosts.co.uk

SQL Server 2008 NEW .net MySQL Microsoft CERTIFIED Partner .net

24/7 HELPLINE
Available throughout Christmas and New Year

Includes Unlimited Bandwidth with all hosting packages

Sign up today and pay **NOTHING** for 3 months
fasthosts.co.uk/hosting
0844 583 0741

Prices exclude VAT. Offer correct at time of print.

fasthosts
World Class Web Hosting

Gadgets

The hottest kit, coming soon.
Here's what Apple is up against

◀ SANYO VPC-HD2000A and VPC-FH1A

$500/$600 http://us.sanyo.com

What is it? These camcorders are the first in the world to feature iFrame compatibility. They can handle 1080p and 1080i recording at 60 fps as well as iFrame's 960x540 resolution at 30fps.

When's it due? Should get a UK release very soon, maybe even by the time you read this.

Why are we excited? Developed by Apple, the iFrame format makes it easy to import and edit footage. The latest update to *iMovie* introduces iFrame compatibility.

▲ Android HTC Hero

£99+£35 a month

www.three.co.uk

What is it? Launched by 3UK, this new package gives you an Android HTC Hero smartphone and a premium subscription to Spotify, for your phone and computer. You get 750 minutes of calls, unlimited texts, unlimited 3-to-3 calls, unlimited data and free Skype-to-Skype calls.

When's it due? November 2009.

Why are we excited? Android is a potential threat to iPhone OS, and a mobile version of Spotify could break *iTunes'* iron grip on mobile music. Anything that keeps Apple on its toes can only be a good thing.

▶ Super Talent RAIDDrive

£TBA www.supertalent.com

What is it? The RAIDDrive looks set to be the world's first USB 3.0 flash drive, and as such, is capable of incredible transfer speeds. We're promised up to 200MB/s in a standard USB 3.0 port, and up to 320MB/s with a UAS Protocol driver installed. Capacities of 32GB, 64GB and 128GB will be available.

When's it due? Not yet, but keep 'em peeled.

Why are we excited? Backing up and sharing data will be a painless experience in the future. USB 3.0? Bring it on!

▶ Heritage

£230 www.revo.co.uk

What is it? The Heritage gives you access to DAB, DAB+ and FM stations and WiFi internet streaming broadcasts. It offers wireless audio streaming and an iPod dock. Its OLED screen is invisible when unlit, and joystick controls make it easy to navigate stations.

When's it due? Out now.

Why are we excited? The Heritage is gorgeous. It's just the thing to own if a more modern-looking device would appear out of place in your living room.

▲ Fuji FinePix REAL 3D W1

£435 www.fujifilm.com

What is it? Despite looking like one of those 3D picture viewers we all played with as kids, the FinePix REAL 3D W1 is actually a 3D camera and viewer. Two Fujinon lenses combine to produce both stills and movies in glorious 3D. You can view your creations on the camera's 8-inch screen without using special glasses. It also takes 2D pictures.

When's it due? Buy one today.

Why are we excited? We doubt the FinePix REAL 3D W1 will trouble the serious photography market, but it looks great fun to use.

▼ GlideTV Navigator

£119 www.glidetv.com

What is it? The Navigator combines the functionality of a keyboard, mouse and AV remote in an elegant palm-sized device. It's compatible with both *iTunes* and *Front Row*. Unfortunately, some of its software-driven functions are Windows-only, but the hardware is Mac-compatible and an OS X version of the supporting software is in the pipeline.

When's it due? Buy now from GlideTV's website.

Why are we excited? The ability to control your digital entertainment from a single device can't fail to excite.

Feedback

»CONTACT US
Whatever your Mac-related cares, concerns or calamities are, let us know about them by contacting us on the following email address:
macformat@futurenet.com

Let us know what you think about your Mac, MacFormat and everything Apple

Wished you were here

I loved reading Christopher Phin's column about the usefulness of his iPhone while on holiday in France. I adore mine too. But I was wondering what his roaming charges were by the time he got home and how many times a day he needed to perform a recharge?

Unfortunately, those two aspects have so far put a bit of a dampener on my enjoyment of the iPhone abroad.

Suzanna Noort

3G
9:42 AM
Tuesday
9
Messages
Calendar
Photos
Camera
YouTube
Stocks
Maps
Weather
73°
Voice Memos
Notes
Clock
Calculator
Settings
iTunes
App Store
Compass
Phone
Mail
Safari
iPod

Minimise data roaming charges with some clever iPhone use.

Christopher Phin replies: Hello Suzanna. I was very careful with my roaming data. Luckily, the *gîte* that we were staying in had WiFi, so most of the time I was able to access data for free. I used it rarely when out and about – most of the time, the Data Roaming switch in Settings was Off – and accrued less than £10 in roaming charges. (Remember that O2 does offer international data Bolt-Ons that bundles some cheaper, albeit still expensive, megabytes into your package. However, you do have to set this up in advance.)

I use my iPhone quite heavily as you can imagine, and so I charge it every night anyway – I take my Logitech PureFi everywhere with me, both to let me listen to music, and as a charger. It comes with both UK and European plugs.

Canon can't do manuals

Following your review of the Canon MP620, I went and bought one. It looks great and was, like you said, easy to set up. But you didn't say that it comes with virtually no instructions at all. The multi-language 'Getting Started' booklet is hideously confusing and gives up the ghost on Macs completely when talking about photo-printing. The Canon website is more advertisement

»STAR LETTER / Who says Macs are expensive?

Like many, I was apprehensive about making the big switch from PC to Mac. Many friends and colleagues raved about the benefits of a Mac, but it remains a large financial commitment for something that you may end up not liking.

Unsure of what to do, I decided to test the water and began searching a well-known auction site for a bargain. I picked up a slot-loading iMac running OS X Panther for less than a tenner and began using it for my less demanding work: web browsing, light office work and so on. After being very satisfied with the OS and (surprisingly) the hardware, I took the plunge and invested in a MacBook and then, the next year, a 24-inch iMac. Taking the time to evaluate how a Mac would fit into my home life really helped ease my concerns when shelling out for the latest hardware. I would encourage anyone thinking of making the switch to follow a similar route.

Out of interest, I took another look at how much similar machines are going for online at the moment, only to see a machine sell at auction for a grand total of 99 pennies!

Matt Bowes

MacFormat replies: Great email, Matt. As well as auction sites, don't forget there's also Apple's Refurb store, which offers reconditioned Macs at knockdown prices.

You can pick up the old iMac for about a tenner on auction sites.

STAR LETTER

Email all your letters to us at **macformat@futurenet.com** If yours gets picked as the *MacFormat* Star Letter, you'll be sent a fantastic EyeTV Hybrid. It comes with analog and digital tuners, so you can use it to put TV on your Mac wherever you are in the country!

than instructive, so consequently I feel like I'm doomed that the best of my Canon Pixma MP620 will remain a mystery to me. How about a tutorial, or do any of your readers have any ideas on how to use it? Great magazine!

Ken Sampson

MacFormat replies: You raise a very valid point – indeed, before we had even seen your email, we had criticised the setup instructions of the succeeding model, the Pixma MP640 (reviewed last issue), for just that – and it's unfortunate that, with limited space, we sometimes simply can't fit everything into a review that we might want to. Ultimately, we decided that the model's quality and set of features were more important to include than the sometimes labyrinthine setup instructions. (Sadly, in the broad spectrum of printers, this remains one of the easiest to set up. Honestly!)

Your request for some help to get the best from printers is an excellent one; we're concerned, though, about how, practically, we'd be able to provide information that was at once general enough to apply to the majority of our readers, and specific enough so that there was some value to be derived for any given printer model. We'll give it some thought here, but if you have any ideas, then by all means drop us a line.

The lack of adequate setup instructions seems to be an endemic problem with printers.

Old Macs don't die

It occurred to me after reading the editor's comments on the welcome page of issue 215 that we do tend to hang on to our Macs. Somewhere my son has a Performer (running OS9), which he took to run as a print server; up in my attic is an ageing, but perfectly operational original iMac, (remember the multi-colour jobs?); my wife has a 'anglepoise' G4 Mac which is still in use running Leopard; I have a G5 running Leopard; my daughter has my one-year-old MacBook running Snow Leopard and finally I have a MacBook Air running Snow Leopard. I think the problem, as you state, is that they are so reliable, so why should I dump any of them? With the possible exception of the 'blue' first iMac I bought (which is now retired and resting), they all work perfectly. My sons have got through seven PCs in the last three years, with a variety of ills, viruses and breakdowns. 'They're a PC' – they're welcome!

Gordon (via the website)

The iMac G4: you could throw it away, but how would you live with yourself?

MacFormat replies: Thanks for the email, Gordon. Several of the *MacFormat* team have various old Macs that they can't bear to throw away, stashed in stair cupboards and garages.

Magic Mouse a work of genius

Firstly, I'd just like to thank you for all the hard work the team at *MacFormat* obviously put into the magazine. I have been using a Mac for just over a year now and I'm completely hooked on anything Apple!

It all started back in July 2008 when I queued at my local Apple retail store for the then-new iPhone 3G. I fell in love with the iPhone straight away – it's so easy to get to grips with and so useful in everyday situations, contrary to what some believe.

Around this time my Windows laptop running XP was on its last legs. With all of the patches and updates bogging the poor thing down, it just became so cumbersome to use. Up until then I had never really considered an Apple computer, for no other reason than because I knew very little about them. What I did know, though, was that my iPhone worked well, so I thought that if Apple can make such a good smartphone then its computers must be worth a look. I did my homework and in the end I decided on a 24-inch iMac with a 3.06GHz processor and 4GB of RAM, and the moment I unboxed the thing I knew it was

Twitter @#! talk

From the Twittersphere

We asked: "What was your favourite Apple product from the last decade and why?"

Apple Wireless Keyboard (current model). Lets me type comfortably for long periods; there's nothing more important than that.
@mattgemmell

The Apple super-slim wired keyboard. It's so terrific (and quiet!). I use it on my Windows PC at work. :)
@gcluley

Newton MP2100. Because it's as much "the future" as it was 10 years ago. Although, damn, that's 12 years ago :(
@ianbetteridge

The iPhone. Revolutionary in every sense. Iconic design matched with superb user experience. Definitely my No.1 product.
@voiceoverartist

Intel Mac Mini – because it's small, cuddly, quiet and faster than my big, clunky, noisy PC.
@satscape

G4 Cube. Mine broke a couple of years ago, but there's no chance I'll be throwing it away – it's too beautiful.
@edlea

iPod – to be a conformist and it's amazing!
@TheDudeFrom94

You can find out what we're up to each month by following the team at Twitter.com/MacFormat

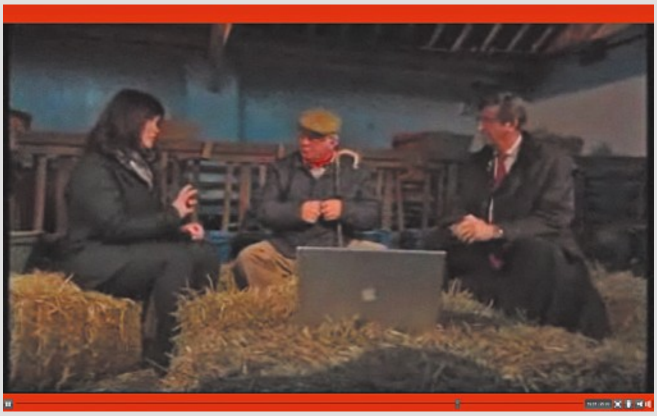
MAC SPOTTING / Down on the farm

Here in Wales, we are blessed. Not only do we live in The Land of Song, we also have a reality talent show called *Fferm Ffactor*. Now, even though the title is in Welsh, it's not difficult to work out! Fferm = Farm and Ffactor = factor. That's right, it's *X Factor*, but for farmers!

It's shown on S4C (Channel 4 in Welsh) and the judges – how cool is this – watch the contestants on a MacBook Pro! It can be seen here http://stwnsh.com/mvafah. The point is, not only are the London and Cardiff city slickers using the best computers in the world, so are the farmers!

Gwion Llwyd

MacFormat replies: Thanks for the email, Gwion. It's great to see that Apple technology knows no bounds! We admit to never having heard of *Fferm Ffactor* before, and wonder if a reality TV show about working in an Apple Store could be a money spinner…



Hay bales and rural conditions are no barrier to using a MacBook Pro!

something special. It's a work of art! Like most things Apple, the design is top quality, the screen is amazing and, compared with Mac OS X, Windows XP might as well be BASIC running on a Commodore 64!

Things have gone from strength to strength and I've since upgraded to Snow Leopard, I have my iPhone synced with my iMac via MobileMe (which works a treat) and as I type this I've just started using my brand new Apple Magic Mouse, which is simply a work of genius.

I love the design, and the Multi-Touch scrolling has to be seen to appreciate how useful and easy it is – and being wireless makes my setup look so much cleaner and uncluttered, which I think is what Apple intended. The mouse being a new product, I was just wondering if you had heard if Apple intends to add new features to it in the future, such as pinch zooming as per the iPhone, and some sort of gesture to use *Exposè* (which I use loads, especially the updated Snow Leopard version); or maybe if there were any third parties who had got in there early and released some sort of supporting software?

Rob Dagnell

MacFormat replies: We like the Magic Mouse as well, Rob – it's by far the best mouse Apple has made – but if you read our review on page 87 you'll see that we too thought a bit of functionality had been sacrificed. Will Apple add it through a software update? Who knows? It's theoretically possible, but we have a sneaking suspicion that if Apple thought extra gestures worked well enough on the mouse then it would have included them from the start.

Apple's latest Magic Mouse is reviewed this issue, on page 87.

Mighty Mouse goes kaput!

That's the second one this year! I'm getting really hacked off with it now: I had it replaced about April this year because despite numerous attempts at cleaning, the scroll ball just point-blank refused to scroll down.

It's done it again, but not only down – left too. It's been like that for three days now. I've tried rubbing it against my jeans and a hot damp cloth, and given it quite a firm press and roll about, but still no joy. I don't want to call Apple again (I've got AppleCare), but I refuse to keep using a mouse that doesn't work! Any more ideas?

Daniel Moore

MacFormat replies: The scroll ball in Apple's Mighty Mouse (which has now been renamed as simply the 'Apple Mouse' thanks to a legal dispute over its name) does get clogged up. If we're honest, we have to say that it's not a great design. Of course, the best solution is to switch to Apple's new Magic Mouse (see our review on page 87), which has no moving parts and uses Multi-Touch gesture technology instead of a scoll ball, but that will cost you £55, and you need a Mac with Bluetooth.

If you want to stick with your current Apple Mouse though, aside from the things you've attempted already, you might also like to try turning the mouse upside down and rolling the scroll ball about on a piece of A4 paper. We've used this method before and it sometimes does the trick. Going beyond that, you're going to have to take the mouse apart to get at the scroll ball to clean it. It's not easy, but it is possible. You'll need to crack the mouse apart to do it, so it's the solution of last resort. We'll show you how to open up a Mighty Mouse next issue, so don't miss it! The February issue of *MacFormat* goes on sale 6 January, 2010. ●

Is your Mighty Mouse clogging up? Time to give it a rub.

heart internet

The UK's
Fastest Growing
Reseller Package

www.heartinternet.co.uk
Tel: 0845 644 7750

Reseller Hosting

30 Day
Money Back
Guarantee

Only
£29.99
Per Month

Reseller Features

- ✓ Host unlimited web sites.
- ✓ Linux & Windows New accounts included.
- ✓ Create your own web hosting packages.
- ✓ Disable, delete & edit accounts in real time.
- ✓ Fully brandable control panels and experience.
- ✓ Web hosting accounts instantly activated.
- ✓ HostPay shopping cart free.
- ✓ Generic webmail, SSL & nameservers or your own.

Ideal for Web Designers, Developers and Entrepreneurs

Start Your Own Web Hosting Company!

Web Hosting Features

- ✓ Unlimited web space & bandwidth.
- ✓ Unlimited mailboxes, forwarding & autoresponders.
- ✓ Unlimited databases, FTP & sub domains.
- ✓ Huge CGI library including WordPress & Joomla.
- ✓ Website builder & shopping carts.
- ✓ PHP, Perl, Ruby, SSL, Stats.
- ✓ Amazing control panel & file manager.
- ✓ Over 100 features for each account.

Too Much to List!
New Features Added All The Time

Check Out Our Website!

Reseller API Now Available

"Heart Internet support their customers with market-leading hosting technology at great prices"

Suzi Perry
Technology TV Presenter

HostPay

FREE with our Reseller Package

Create Your Own Hosting Company

Amazing Features Including:

What is HostPay?

HostPay is a highly customisable shopping cart & customer management system that is free with our Reseller Package.

- ✓ Supports PayPal, Google Checkout, WorldPay, Protx, Nochex & 2Co.
- ✓ Easy to set up and grows with your business.

Customer Management & Registration System

Instant Activation For Your Customers

Fully White Label Themes/Skins

For more information visit:
www.heartinternet.co.uk

Tel: 0845 644 7750 **Email:** sales@heartinternet.co.uk

MasterCard Maestro VISA DIRECT Debit

Prices exclude VAT

SUBSCRIBE

EXCLUSIVE UK SEASONAL OFFER!

Subscribe & save £27

S-01 UNPLUGGED
inte
DIGIT
MENU

PLUS receive this fantastic Intempo iDS01 Unplugged iPod* Speaker Dock worth £44.99!

Take your music with you and get *MacFormat* for a whole year – all for just £50.88 / £12.72 quarterly Direct Debit.

……

How to subscribe…

1) To subscribe to *MacFormat* and save £27 off the cover price, plus receive an Intempo iPod Speaker Dock as the welcome gift, call 0844 848 2852 quoting reference P101 or subscribe online at:

www.myfavouritemagazines.co.uk/mfc/p101

2) To subscribe to *MacFormat* at the exclusive Christmas price of £48.28 for the year, saving you £29.59, or a quarterly DD of £11.68, saving you £31.15 (you will not receive an Intempo iPod Dock), call 0844 848 2852 quoting reference 2345 or subscribe online at:

www.myfavouritemagazines.co.uk/mfc/2345

Terms & conditions: *Gift not suitable for iPod shuffle. Colour of gift may vary to that shown. This offer is only available to UK readers. Overseas see page 91. Minimum subscription term is 12 months. Your subscription will start with the next available issue. You will receive 13 issues of *MacFormat* a year. Saving based on buying 13 issues of *MacFormat* from the newsstand. Details of the Direct Debit guarantee available on request. If at any time during the next 60 days you are dissatisfied in any way, please notify us in writing and we will refund all unmailed items. In the unlikely event of Dock stocks becoming exhausted, we reserve the right to replace with gift of similar value. Offer ends 31 Jan 2010.

SUBSCRIBE

iPod
16:24
MacFormat - This Week [Enhanc...
This Week for July 27, 2009
Chapter 1 of 4
All your Apple needs
Mac
FORMAT
This Week
mpo

GIFT WORTH £44.99!

PRODUCT FEATURES

- Room-filling 12-watt speaker for iPod, MP3 and other audio devices
- Small and lightweight - great for travelling, mini parties in the park, garden and home
- Unplugged - battery as well as mains powered
- iPod charging

intempo

www.intempodigital.co.uk

What you can do with a *MacFormat* subscription this Christmas...

Treat yourself: If the subscription is for you, get this great gift plus *MacFormat* for a whole year!

Save some time: If the subscription is for you but you don't want the gift, you can still get *MacFormat* delivered direct to you every month for a year… and then save time on the shopping by giving the gift to someone else!

Give it as a gift: A subscription makes a great gift. It lasts all year long and not only will the lucky receiver get 13 issues worth of great magazine, they get this great Intempo iPod Speaker Dock too!

Save some money: Or you can simply subscribe using offer 2 - for you or someone else, and receive *MacFormat* at an exclusive price that only comes around once a year!

Overseas subscribers »»

Turn to page 91 for your own great seasonal offer

All your Apple needs
Mac FORMAT
APPLE'S DECADE OF INNOVATION
84 PAGES OF ADVICE!
Advanced iMovie edits
Get smarter with iTunes
Budgeting in Numbers
THE LATEST KIT REVIEWED
Fix problems
Enhance your images
Get organised
Order photos
iPhoto
The Ultimate Guide
Improve & organise your photos with ease
Get fit for 2010
Mastering OS X
Which virtual PC?
techradar.com
WHY YOU'LL LOVE TOUCH MOUSE

MacFormat investigates

Can you get fit with an iPhone?

MacFormat challenges slightly lardy writer **Craig Grannell** to get fit with his iPhone. The catch: he only has a tenner to spend

Technology's great, but it's part of the reason waistlines are expanding. These days, many people do little physical work and rely on cars rather than their legs for getting around. As a *MacFormat* writer, I'm immersed in technology daily, but my morning commute only involves going upstairs to my office. Therefore, unless I specifically make an effort to exercise, pounds (or kilos, metric fans) gradually creep on, even if I'm not shoving a chocolate bar in my face every night.

During 2009, exercise took a back seat, and I noticed myself becoming unfit. So I decided to do something about it – with the help of technology. For this feature, I wanted to see if Apple's iPhone could help me get fitter rather than fatter. Instead of spending time playing iPhone games, I'd spend a few weeks trying out exercise apps. Since the iPhone's expensive, the decision was made to restrict my app budget to a crisp (well, digital) tenner on the App Store – an 'impulse purchase' sum most people would be happy to spend to get in shape.

> *"I became unfit, so I decided to do something about it. Instead of spending time playing games, I'd start trying out exercise apps"*

After researching options on the App Store, I decided on five apps – four exercise aids and one weight tracker. The most expensive, at £5.99, was *RunKeeper Pro*, a GPS tracker for walking, jogging and running. Using the magic of technology, it logs where you go and integrates readings and progress with an online account.

At 59p each, GymFu apps *CrunchFu*, *PushupFu* and *SquatFu* were the cheapest. They're designed to train you over a couple of months to complete a number of 'reps' in a single session – 200 crunches, 100 push-ups and 200 squats, respectively. For fitness gurus, that might seem easy, but my arms tried to make a break for it on hearing the number

Home
Updated 13:52
Settings
22 Jul 2009
61
0
training
battles
Last rep: 24 hours ago
Reps 960
Score 101895
Home
Training
Battle Mode
Leagues

Get CrunchFu
Workout your abs too! (Click here)

Fubot
Your challenge was completed...

PullupFu
Welcome to PullupFu

The iPhone isn't just about gaming and streaming video. It's also about planning your exercise regime and gauging your fitness levels.

Photography by Joby Sessions

TOP TIPS / Exercise and your iPhone

1 Take your time

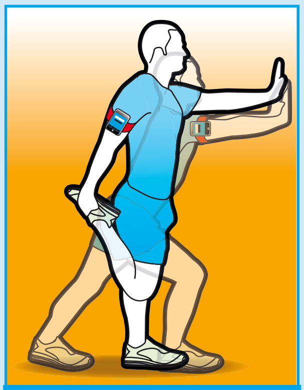
Pace yourself and don't rush exercises. If you're using a GymFu app and it tells you to rest for a couple of minutes, do so until you know you can skip breaks without straining yourself. Similarly, walk or slowly jog at first with *RunKeeper* and over the days you can gradually improve your pace and lengthen your covered distance.

2 Exercise properly

Before you start exercises, learn how best to perform them. For crunches and squats, the correct posture is important for good results and to avoid strain. Also, remember to warm up and down after runs and other exercise, so as not to shock your body.

3 Get into a routine

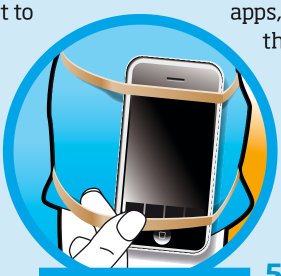
Doing a load of exercise one day and then nothing for two weeks is a bad idea. 20 minutes per day beats three hours of hell per fortnight. If you need encouragement, GymFu apps send regular challenges, and *RunKeeper* has online integration that enables you to create a 'street team' which can include *RunKeeper* – using friends worldwide.



Tip 2: Warm up and down when you exercise to reduce the risk of injury.

4 Learn app quirks

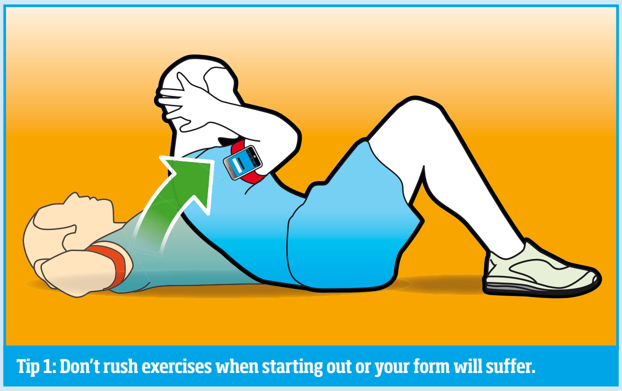
Figure out how each app best works and adapt usage and exercise accordingly. *RunKeeper* is more accurate when your iPhone has WiFi disabled. As for the GymFu apps, you may find they work better when your device is held in a certain way, so practise before training proper.



Tip 5: Use elastic bands to fix the iPhone to your arm during push-ups.

5 Don't splash out…

Unless you really need to. By all means buy a sports armband if you get heavily into exercising with your iPhone. But to begin, hold your device or put it in a pocket; or if you're using *PushupFu*, use elastic bands to strap the device to your arm.



Tip 1: Don't rush exercises when starting out or your form will suffer.

Illustrations by Andy McLaughlin

'100' followed by the word 'push-ups'. The weight tracker, *Weightbot*, is a £1.19 app with a fun, noisy interface, meaning even if pounds aren't shed, you won't be upset inputting your weight.

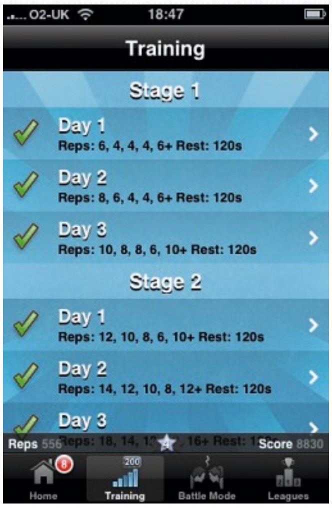
Although *Weightbot* initially proved the most fun app to tinker with, *RunKeeper* and the GymFu apps were engaging enough to get me excited about the prospect of using them for serious exercise. The GymFu apps in particular seem designed for newbies, providing information about how to do good crunches, push-ups and squats. Along with mentioning warm-ups and stretches, they note you should take 48-hour breaks between training sessions, to give your body time to recover. My plan therefore evolved to working with GymFu apps on alternate days and using *RunKeeper* in-between.

Exercise regime

My first attempt with *RunKeeper* involved several 'wow' moments. The app got a GPS fix in seconds and I scooted off towards the local park. Along the way, the app periodically barked my time and pace, and I could at any point see via the well-designed display how I was doing. On returning home, the run was sent to the *RunKeeper* website, and on logging in, it was possible to see my route within a Google Maps box, how elevation affected my speed, and how many calories I'd used. I could also add my wife – a long-time *RunKeeper* user – to my 'street team'. For the first time in a year, things were looking up for my sagging paunch.

The following day with GymFu wasn't so smooth, however. I'd tested *CrunchFu* before, but not the other apps, and it was a while before I figured out how to best hold the iPhone so the apps wouldn't keep barking "HALF!" at me for incomplete reps. In the end, having the iPhone in my pocket for *SquatFu* worked well, and holding my iPhone at a slight angle on my thumbs during crunches worked better than having it at my chest.

Over the following week, my routine continued – with the occasional slip – and it was during this time that *RunKeeper*'s one failing became apparent. Although it provides weekly and monthly totals (activities, distance, time, calories), it's not obvious how



..... O2-UK 18:47

Training

Stage 1

Day 1
Reps: 6, 4, 4, 4, 6+ Rest: 120s

Day 2
Reps: 8, 6, 4, 4, 6+ Rest: 120s

Day 3
Reps: 10, 8, 8, 6, 10+ Rest: 120s

Stage 2

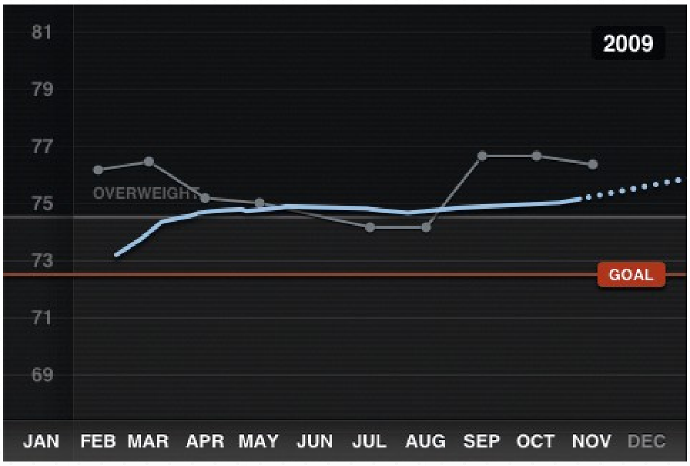
Day 1
Reps: 12, 10, 8, 6, 10+ Rest: 120s

Day 2
Reps: 14, 12, 10, 8, 12+ Rest: 120s

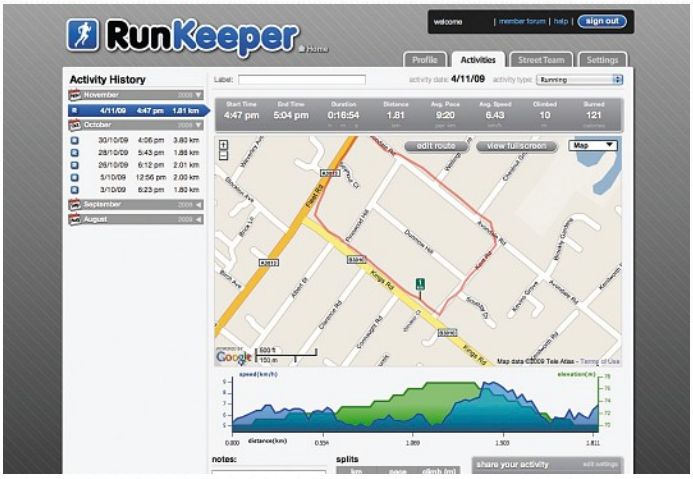
Day 3

Reps 556 Score 8830

The GymFu apps track your exercise and gently encourage your progress.



Weightbot enables you to view how your weight has fluctuated over the year.


RunKeeper
welcome | member forum | help | sign out
Profile
Activities
Street Team
Settings
Activity History
November
October
September
August
edit route
view fullscreen
Map
speed(km/h)
elevation(m)
notes:
splits
share your activity

RunKeeper's online component keeps your information safe and makes it shareable.

you're progressing if you do the same route and distance every day.

By comparison, after a few days GymFu's apps graph your reps from training and 'battles', which come via Twitter from the GymFu 'Fubot' and, very sporadically, real humans across the globe. (You can challenge others by score or max reps, but I found in practice few battle requests were answered.) Having a graph detailing progress was really encouraging and definitely spurred me on.

RunKeeper fell further by the wayside as the weather dramatically deteriorated, but this simply demonstrated to me the importance of having a set of apps that enable inside and outside exercise. And my effort in GymFu increased, even if my overall exercise level dropped.

> *"GymFu's founders reckon that 40% of people 'double their reps', and I can already comfortably do twice as many push-ups"*

Work in progress

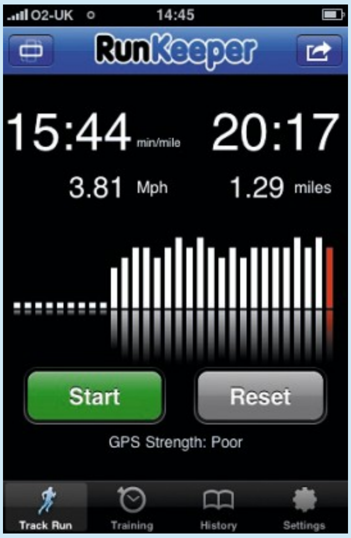
A few weeks have passed since I started my experiment, and *Weightbot* stubbornly refuses to say I'm at my target weight – in fact, it doesn't think I've lost more than a rounding error. But before this experiment is chalked up as a failure and I start eating too many Jaffa Cakes again, it should be noted that I'm exercising regularly for the first time in nearly a year – and that's mostly down to the iPhone apps.

Admittedly, I'm a sucker for graphs and games, and seeing a downward trend in GymFu or an upward trend in *Weightbot* gets me doubly motivated to reverse them. Surprisingly, GymFu's Twitter challenges also help, since my brain doesn't seem to realise that they're (mostly) automated.

I've noticed changes in my basic fitness too. GymFu's founders reckon that 40% of people "double their reps", and I can already comfortably do twice as many push-ups and squats as when I first started. Granted, hitting the final GymFu targets is a long way off, but now I'm confident I'll eventually get there. And although *RunKeeper* isn't in the mix as much as I'd like (due to ongoing 'wuss out of running because of the rain' syndrome), I now use it to track dog walks rather than just runs, and challenge myself to beat my walking times – much to my dog's annoyance, it seems.

So while I'm not going to be running the London Marathon any time soon or joining an athletics team, I have, for a cost that's less than a week's membership at my local gym, got started on the path to better fitness. And what's more, I still have the princely sum of £1.05 left over to spend on a Mars Bar. Er, protein bar. To spend on a protein bar… ●

» THE APPS / My £9 exercise kit


O2-UK
14:45
RunKeeper
15:44 min/mile
20:17
3.81 Mph
1.29 miles
Start
Reset
GPS Strength: Poor
Track Run
Training
History
Settings

RunKeeper Pro

www.runkeeper.com

£5.99

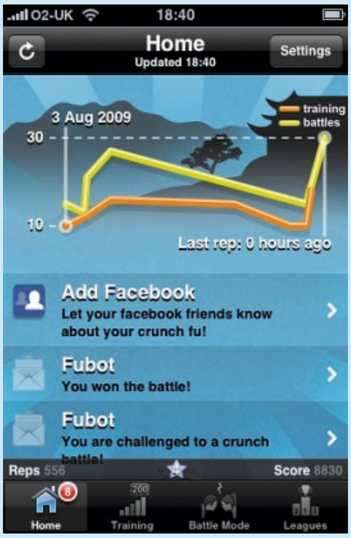
The sole iPhone-only app here – it requires GPS to track your journey – *RunKeeper Pro* is a great buy. Its activity tracking is excellent, and the clean, simple interface ensures strong usability. Website integration and activity sharing enable you to easily share progress with friends. A free ad-supported version is also available.

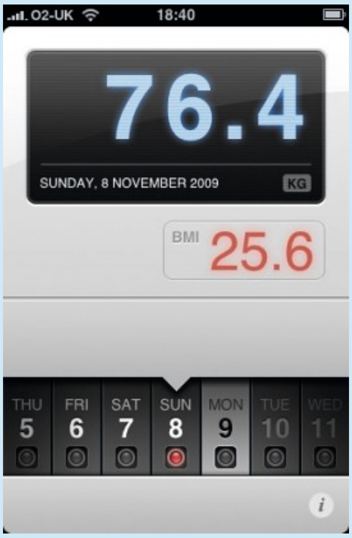
GymFu

www.gymfu.com

59p per app

GymFu comprises four apps (three were used in the feature), one each for crunches, push-ups, squats and pull-ups. Each app provides tips on how to exercise, training routines, a graph showing progress and a way to challenge people. Voice packs are also available, if you fancy switching Fubot for a grizzled 'sarge' or strict 'missy'.


O2-UK
18:40
Home
Updated 18:40
Settings
3 Aug 2009
training
battles
30
10
Last rep: 0 hours ago
Add Facebook
Let your facebook friends know about your crunch fu!
Fubot
You won the battle!
Fubot
You are challenged to a crunch battle!
Reps 556
Score 8830
Home
Training
Battle Mode
Leagues


O2-UK
18:40
76.4
SUNDAY, 8 NOVEMBER 2009
KG
BMI
25.6
THU 5
FRI 6
SAT 7
SUN 8
MON 9
TUE 10
WED 11

Weightbot

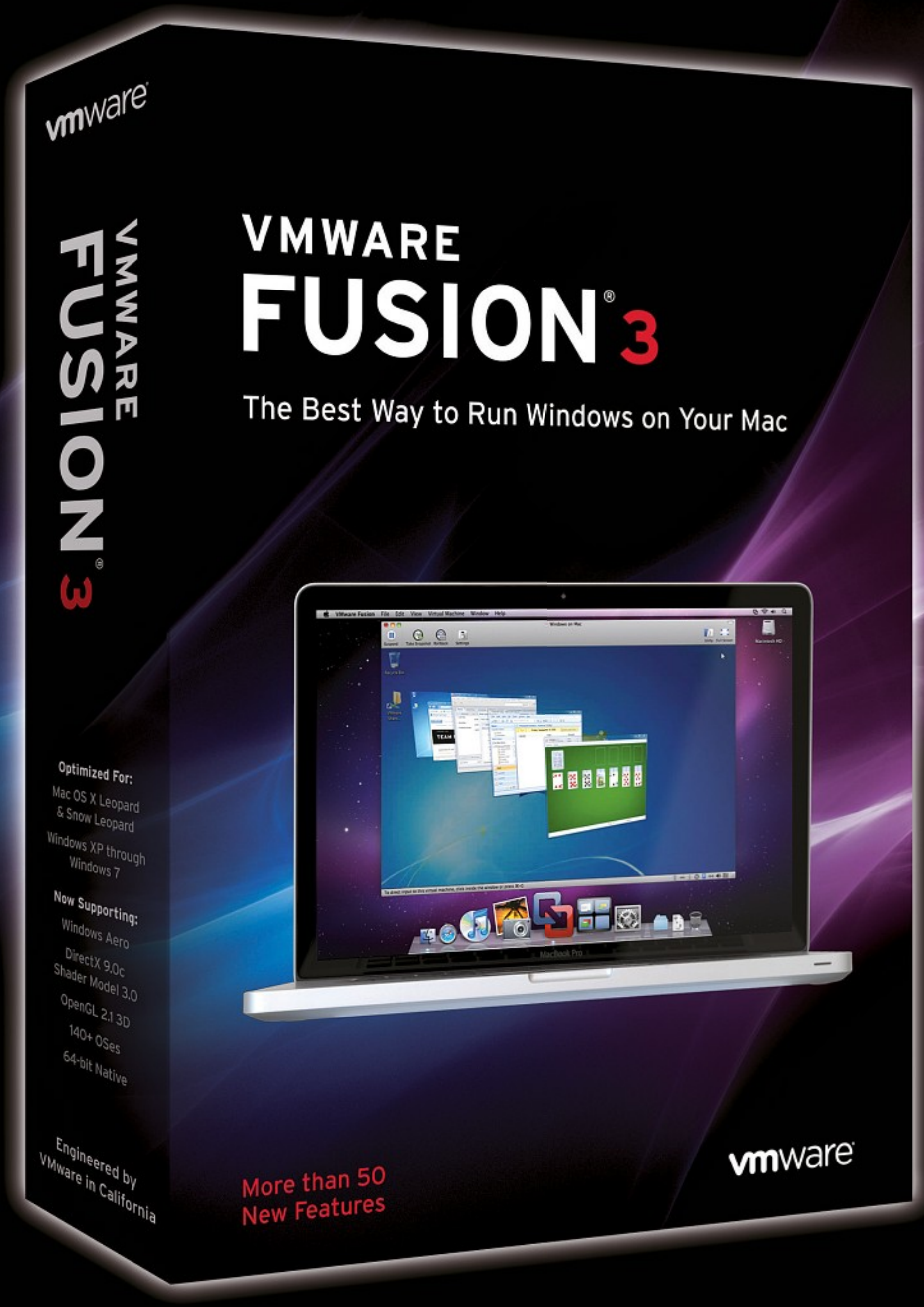
www.tapbots.com

£1.19

There are various ways to track your weight – a pad and biro, *Excel*, the *Notes* app – but only *Weightbot* makes it fun. The metallic interface is engaging and emits cute noises. Rotate your device one way to view your weight goal; rotate it the other and you get to see your progress over time. Imperial and metric options are available.

VMWARE
FUSION® 3

The Best Way to Run Windows on Your Mac


vmware
VMWARE
FUSION® 3
VMWARE
FUSION® 3
The Best Way to Run Windows on Your Mac
Optimized For:
Mac OS X Leopard & Snow Leopard
Windows XP through Windows 7
Now Supporting:
Windows Aero
DirectX 9.0c Shader Model 3.0
OpenGL 2.1 3D
140+ OSes
64-bit Native
Engineered by VMware in California
More than 50 New Features
vmware

www.vmware.com/go/macformat

VMware Fusion
Windows on Mac
Personal Folders - Outlook Today
Microsoft Office Outlook 2007
Microsoft Office Excel 2007
Microsoft Office PowerPoint 2007
Microsoft Office Access 2007
Microsoft Office Word 2007
Internet Explorer
Quicken 2008
Solitaire
Applications Menu Settings...
Macintosh HD

With VMware Fusion 3 run the most demanding Mac and Windows applications side-by-side at maximum speeds without rebooting. With over 50 new features and a new ultra-fast Migration Assistant for Windows, it's never been easier to run Windows on your Mac.

Maximum Performance

With a highly optimized 64-bit engine, advanced memory and CPU management technology, run Mac and Windows applications side-by-side at maximum speeds.

Advanced 3D Graphics

3D

Play Full HD videos and run your favorite 3D Windows games better than ever with best-inclass OpenGL 2.1 and DirectX 9.0c Shader Model 3 graphics support—all without rebooting.

More than 50 new features

50+

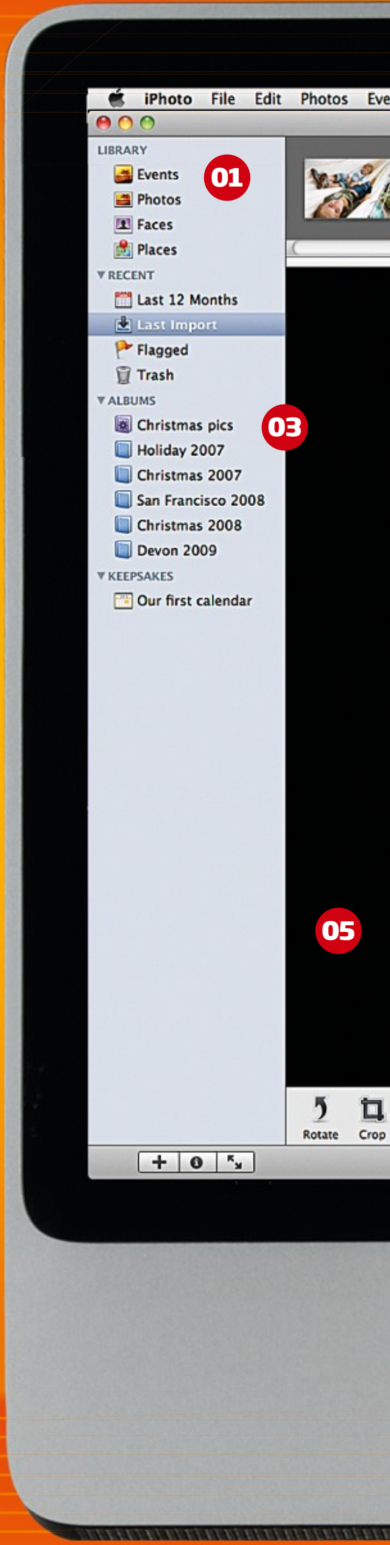
- Mac OS X Snow Leopard support
- Windows 7 support with Aero
- 64-bit Native Engine
- DirectX 9.0c Shader Model 3.0
- OpenGL 2.1 3D
- Optimized for Full HD videos

vmware®

iPhoto

The Ultimate Guide

Organise, edit and share your digital pictures in seconds – and all with a couple of easy mouse clicks! Welcome to iPhoto '09



At the heart of Apple's *iLife '09* suite lies *iPhoto '09*. Once your photos are in *iPhoto*'s catalogue, there's hardly anything you can't do. It's an organisational powerhouse; you can create albums, pin your photos to a map, have *iPhoto* pick out the faces from your shots, and order physical photo books and prints that arrive through your door just days later.

It's also a very accomplished photo editor. *iPhoto* hasn't got the power of *Photoshop* – and you certainly won't be using it to create rich photo montages – but it does a quite brilliant job of correcting poorly exposed shots and polishing images.

When you're done, you can use *iPhoto* to share your pictures with friends and family. You can publish them to online galleries, print them out at home or send them to Apple to have them printed professionally. You can also create slideshows and compose beautiful cards, calendars and even bound, hardcover photo books – just using *iPhoto*.

And if you think all that sounds overwhelming, don't worry; that's what we're here for. We'll take you through the process of importing, organising, editing and sharing. We're using the latest '09 version of *iPhoto* here, but much of the advice also applies to older versions.

» QUICK LOOK / Editing in iPhoto at a glance

01 Your photos are split into **Events** – they're grouped by date, by default – and you can also browse your entire library by person using *iPhoto*'s **Faces** feature, or location using **Places**.

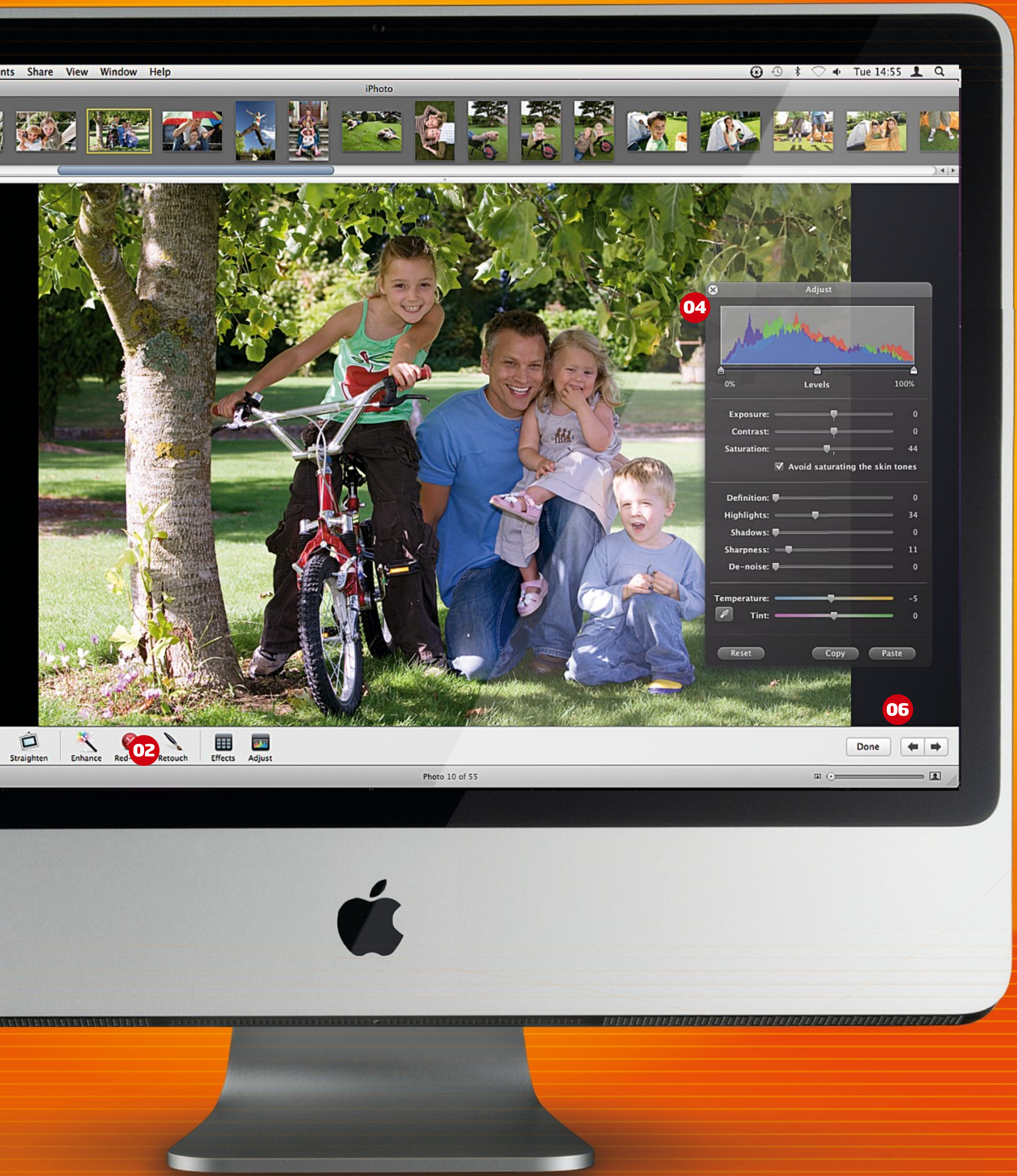
02 You can do some very basic image editing such as fixing red-eye and so on. There is also a **Retouch** tool, which is useful at getting rid of skin blemishes in photos. See page 41.

03 You can create collections manually by dragging photos to an album, or you can use **Smart Albums**, telling *iPhoto* to make selections based on criteria. See page 35.

04 You can adjust exposure and more, with the **Adjust** panel even giving you the option of protecting skin tones from being punched up too far when adjusting saturation. See page 42.

05 Your photos can have a host of details retained alongside them, recorded by the camera, such as how they were captured and when. This is crucial for creating **Smart Albums**.

06 When you're finished, just click the **Done** button to commit your changes. Best of all, *iPhoto* keeps a copy of your original shot, so you can always revert back to it if you wish.


nts Share View Window Help
Tue 14:55
iPhoto
Adjust
04
Levels
0%
100%
Reset
Copy
Paste
06
Straighten
Enhance
Red-
02
Retouch
Effects
Adjust
Done
Photo 10 of 55

Exposure: 0
Contrast: 0
Saturation: 44
☑ Avoid saturating the skin tones
Definition: 0
Highlights: 34
Shadows: 0
Sharpness: 11
De-noise: 0
Temperature: -5
Tint: 0

Import your photos

Loading up your shots is just the beginning of your iPhoto adventure

>> QUICK TIP

Memory card readers are a quick and easy way of importing photos into *iPhoto*, especially if you have a lot of images on a large number of cards. They can usually cope with multiple card formats and can be bought in USB or FireWire versions.

Before you can begin the clever and fun stuff that *iPhoto* has to offer, you need to import your photos. Import sounds a bit techy, but all it really means is the method by which you transfer the photos you've taken with your digital camera onto your Mac.

Once you've imported your shots, *iPhoto* stores them on your hard drive. There, your original images will be safe and any changes you make using *iPhoto* will be made to a copy of your original shot. This safety feature is really important and is one of the biggest plus points of using *iPhoto*.

In the old days of film, we always had negatives to go back to if we wanted more copies. However, because we can manipulate and completely alter our photos using *iPhoto*, it's important that the original is still there to re-edit or simply to reprint. This is why *iPhoto* keeps your originals safe so you can always go back to them with a click of the mouse and start over again.

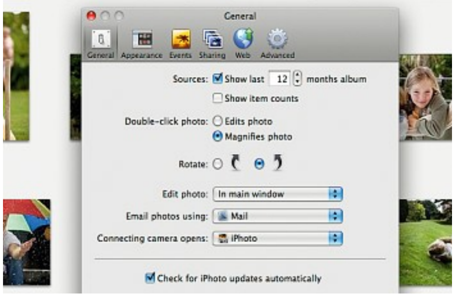
There are three main ways to import your shots into *iPhoto*. First, there's the direct method. Most digital cameras have a USB socket or a special dock that enables you to connect the camera to your Mac. Virtually every digital camera can be recognised by *iPhoto*. This is handy but does drain the camera's batteries and all that plugging and unplugging of the USB cable could eventually loosen the connection port.

The first step is to get your shots from the camera onto your computer.

The second import method is easier and quicker. Simply take your memory card out of your camera and slot it into a memory card reader. These small, inexpensive devices may transfer your photos much more quickly than a cable connection. Most have slots for all the different card types on the market, so if your friends or family have a camera that uses a different memory card type, you can easily share your photos.

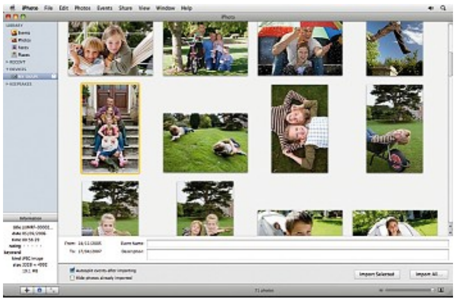
Finally, you can import your photos into *iPhoto* as digital files stored on other media, such as hard drives, memory sticks or even CDs. This is a great way to import photos from CDs or downloaded from the internet.

>> HOW TO / Import your photos

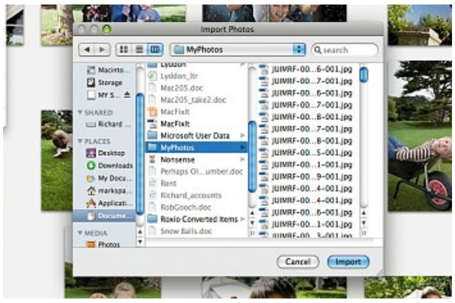


Sources: ☑ Show last 12 months album
☐ Show item counts
Double-click photo: ○ Edits photo
● Magnifies photo
Rotate: ○ ●
Edit photo: In main window
Email photos using: Mail
Connecting camera opens: iPhoto
☑ Check for iPhoto updates automatically

01 Most digital cameras connect to your Mac using the USB cable supplied with your camera. Once the camera is turned on it'll show up in *iPhoto's* sidebar. Just make sure that *iPhoto's* **General Preferences** has the **Connecting Camera Opens** option set to **iPhoto** for it to automatically launch on connection.

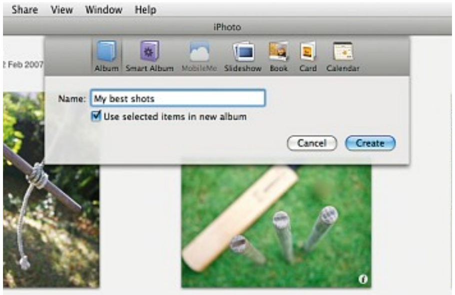


02 Whether you connect your camera directly to your Mac or use a memory card reader, the next step is identical. Plug in your camera and *iPhoto* will display the photos stored on your memory card on-screen. You can either import them all or select the ones you want and click on **Import Selected**.



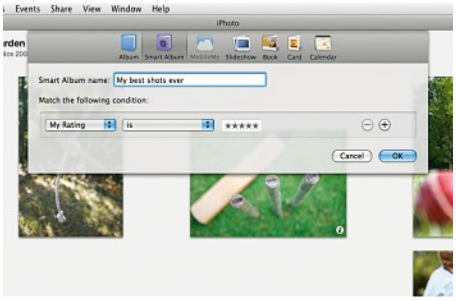
03 If you want to import some photos that are stored on a CD, USB memory stick or hard drive, simply go to *iPhoto's* **File** menu and select **Import to Library** (the shortcut is ⇧+⌘+I). Then navigate to the folder or device where the photos are. *iPhoto* will copy your photos to your master *iPhoto* library.

» HOW TO / Make a Smart Album


Share View Window Help
iPhoto
Album Smart Album MobileMe Slideshow Book Card Calendar
Cancel
Create

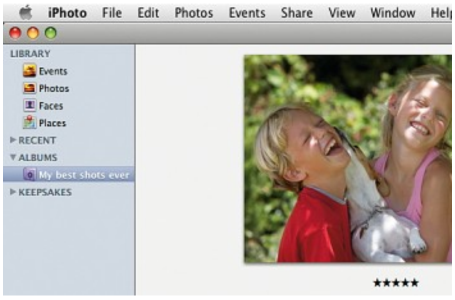
Name: My best shots
☑ Use selected items in new album

01 You can collect photos in an album by creating a new album and then dragging a selection of images into it. However, *iPhoto* is much cleverer than that. You can create **Smart Albums** that compile selections based on criteria you choose, such as all of your photos from a particular camera, day or even place.


Events Share View Window Help
iPhoto
Album Smart Album MobileMe Slideshow Book Card Calendar
Cancel
OK

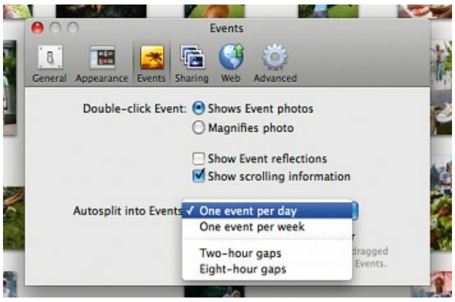
Smart Album name: My best shots ever
Match the following condition:
My Rating is ★★★★★

02 To make a new **Smart Album**, click on the + button at the bottom of *iPhoto*. Select **Smart Album** and type a name that makes sense. We've chosen 'My Best Shots' because our **Smart Album** will collect photos we rate with five stars. Now any photo we give a five-star rating to will be added automatically.


iPhoto File Edit Photos Events Share View Window Help
LIBRARY
Events
Photos
Faces
Places
RECENT
ALBUMS
My best shots ever
KEEPSAKES
★★★★★

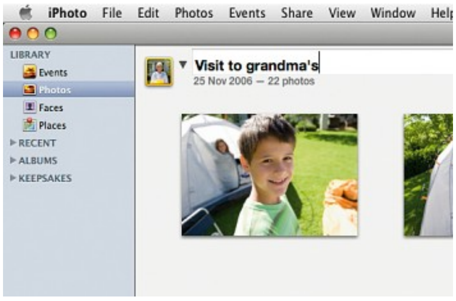
03 Any time you want to see what's in your **Smart Album**, click on it and the results will appear in *iPhoto*'s main window. You can make your **Smart Album** more selective by adding extra conditions, such as a date range or even special places and faces using *iPhoto '09*'s brand new **Places** and **Faces** features.

» HOW TO / Split your photos into Events


Events
General Appearance Events Sharing Web Advanced
One event per week
Two-hour gaps
Eight-hour gaps

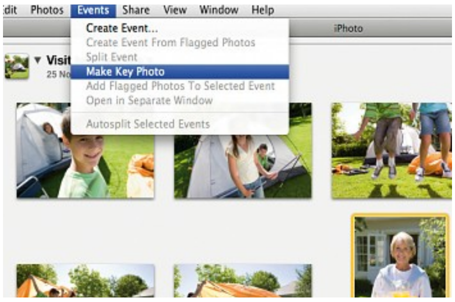
Double-click Event: ● Shows Event photos
○ Magnifies photo
☐ Show Event reflections
☑ Show scrolling information
Autosplit into Events: ✓ One event per day

01 *iPhoto* can automatically split your photos into **Events** – for when you have, say, a birthday party, an evening out and a wedding all on one memory card. There's also a preference for **Events**, so you can choose the timescale used to split up your photos. Click on **Autosplit Events After Importing** to enable it.

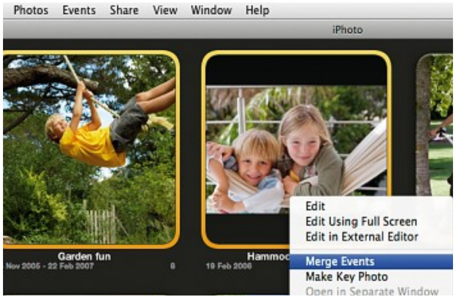

iPhoto File Edit Photos Events Share View Window Help
LIBRARY
Events
Photos
Faces
Places
RECENT
ALBUMS
KEEPSAKES

Visit to grandma's
25 Nov 2006 – 22 photos

02 Each **Event** can be given its own name. You can even create one: highlight all the photos to include then go to the **Events** menu and click on **Create An Event**. You can split and merge **Events** in a similar way too. Once you've created your **Event**, give it a name that makes it easy for you to recognise.


Edit Photos Events Share View Window Help
iPhoto
Create Event...
Create Event From Flagged Photos
Split Event
Make Key Photo
Add Flagged Photos To Selected Event
Open in Separate Window
Autosplit Selected Events

03 You'll probably want to choose a key photo for your **Event**. This **Event** is all about a visit to Grandma's house, so we'll pick Grandma to be the key photo. Drag the photo to the thumbnail beside the description you've just typed in, or select a photo, go to **Events** and click **Make Key Photo**.


Photos Events Share View Window Help
iPhoto
Garden fun
Nov 2006 - 22 Feb 2007
Hammock
19 Feb 2006
Edit
Edit Using Full Screen
Edit in External Editor
Merge Events
Make Key Photo
Open in Separate Window

04 Click on **Events** in *iPhoto*'s sidebar. We can see that each **Event** has a key photo. To view all the photos in an **Event**, double-click and you'll only see those images assigned to it. You can merge and split **Events** in order to create collections that suit you best. It's easier than using a traditional photo album! ●

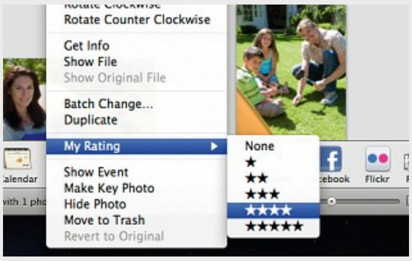
» EXPERT TIP

Applying a rating to your photos couldn't be easier. Simply right-click on a photo that you want to give a rating to, move your mouse to the **My Rating** choice that appears in the drop-down menu and choose the number of stars you want to award.

You can also apply keywords that describe them, which makes searching for certain types of shot much easier. You can define your own sets of keywords using *iPhoto* or apply keywords from a huge list that Apple has preloaded.

In fact, *iPhoto* is so smart that it automatically uses any keywords that are already embedded in your photos. It also transfers all the EXIF data that your camera recorded when the photo was taken. These keywords are applied during the importing process and if there aren't any keywords already, then you can apply some by dragging keywords onto individual photos.

Once you've applied ratings and keywords to your shots, it's easy to use *iPhoto*'s **Find** feature (⌘+F) to search by **Keyword**, **Date** or **Rating**. The **Date** search shows up any months containing photos in a calendar.


Rotate Counter Clockwise
Get Info
Show File
Show Original File
Batch Change...
Duplicate
My Rating
Show Event
Make Key Photo
Hide Photo
Move to Trash
Revert to Original
None
★
★★
★★★
★★★★
★★★★★
Calendar
Facebook
Flickr

Rating and adding keywords to images is easy.

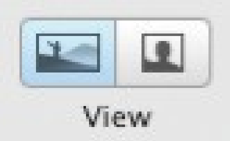
Use the Faces feature

Faces helps you to organise photos of your friends, and integrates easily with Facebook

You'd be forgiven for thinking that the evolution of most applications is a love/hate thing. You love a new feature and hate how the interface has changed or truly dislike new features that you find useless. But *iPhoto's* evolution has been one of pure function and convenience, while sticking to its core purpose as the prime photo library application for the Mac. With the last version of *iPhoto*, Apple added **Events**, a tool that automatically organises your photos for you by timeframe. *iPhoto '09* continues the auto-organisation march with **Faces**. Based on the fact that most users take many photos of the same people, **Faces** scans your photos, finds the faces and enables you to quickly identify people. It then creates a pile of photos on the corkboard for each person. *iPhoto* will even learn how to spot them for you, by asking if they're who it thinks they are. This can save you hours of tagging images.

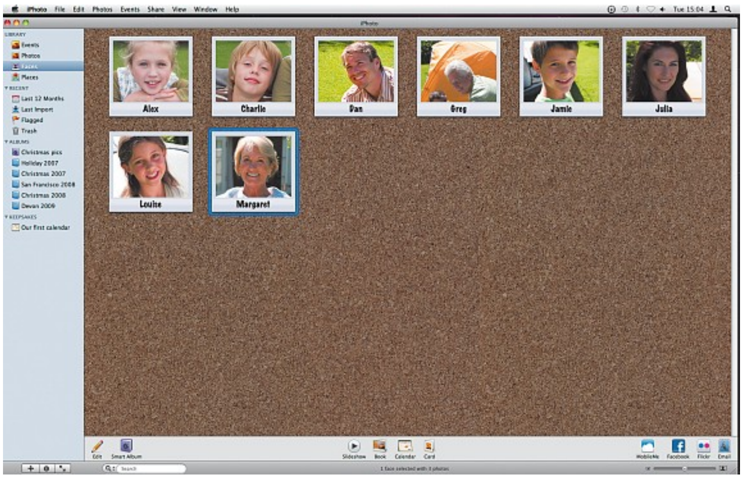
Faces is also integrated with Facebook. You can easily add full names and email addresses to a stack of photos of an individual. When you upload these images to Facebook, any email matching a Facebook ID can alert that person that a new photo of them is online. Once connected to Facebook, *iPhoto* will start to hunt out photos in your library that are posted on the site and add those tags in *iPhoto*. Since net trends show that many now use Facebook as the new email, this was a wise move by Apple. Best of all, if people tag photos' subjects on Facebook, these can be synced back to *iPhoto*. Imagine how useful it would be with all those big group shots from school, where you can only remember a handful of faces.

And if you're not a big Facebook user, *iPhoto '09* still aids online photo posting with dedicated buttons for MobileMe and Flickr. Its Flickr uploading abilities are a little limited, however; for this reason, you might consider the £12 *FlickrExport* from **www.connectedflow.com** if you regularly upload your images to this photo-sharing site.



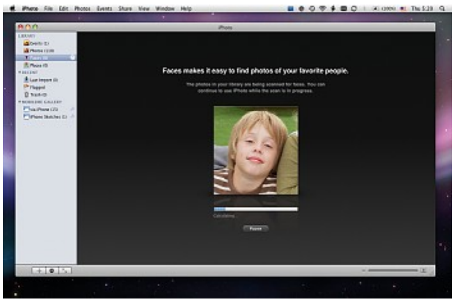
» QUICK TIP

When you're browsing in **Faces** mode – by double-clicking a face on the corkboard – you can toggle between seeing the whole photo or just cropping in on the face, using this control at the bottom-left of the main window.

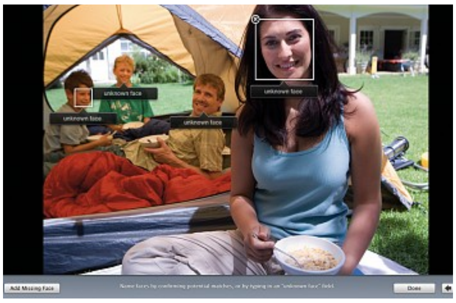


Faces enables you to quickly identify people, making organising your photos simple.

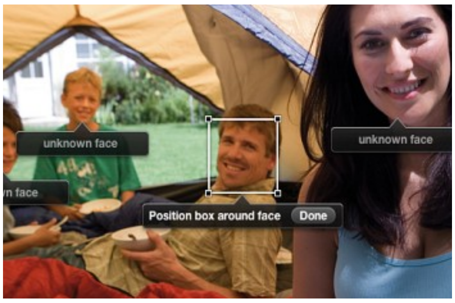
» HOW TO / Recognise faces


Faces makes it easy to find photos of your favorite people.

01 If you upgrade your *iPhoto* library from a previous version to *iPhoto '09* it will scan your photos on launch. This can take from a few minutes to half an hour. There's a **Pause** button if you need to stop the scan and finish later. After the initial scan, *iPhoto* will scan each batch of photos you import.

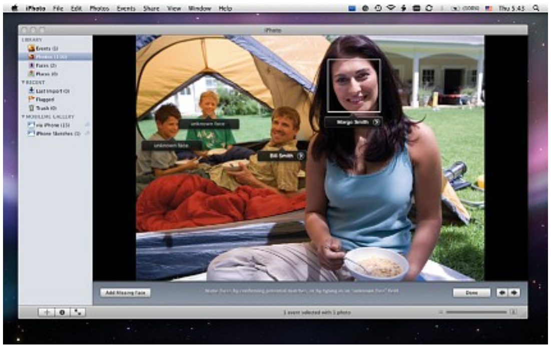


02 When the scan is done, click on an image of familiar faces to highlight it. Click on the **Name** button at the bottom-left of *iPhoto*. The image will open in the **Face Editor**. Any face recognised will have an **Unknown Face** tag. As you move your cursor over the face, a white box will appear, highlighting it.

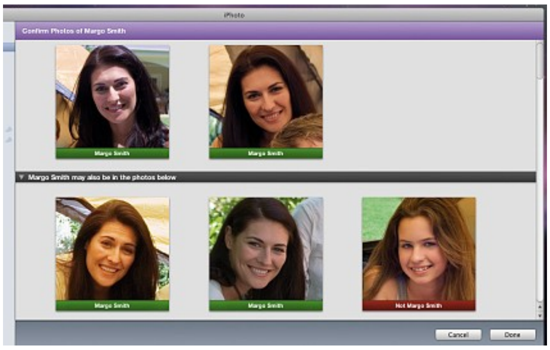


03 If *iPhoto* didn't spot a face, you can manually tell it there's a face there by clicking on the **Add Missing Face** button. This creates a white box. Drag the box into position and move the corners to fit the face inside. Click on the **Done** button, then click the **Unknown Face** tag and type the person's name.

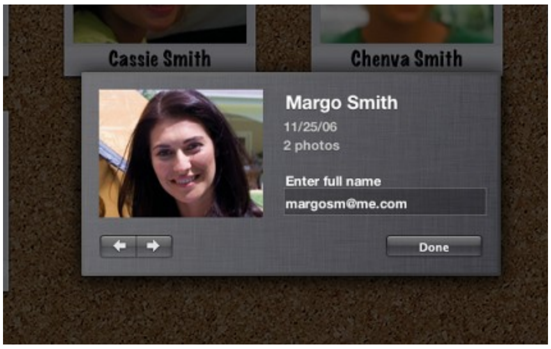
» HOW TO / Tag your photos


Unknown face
Margo Smith
Bill Smith
Add Missing Face
Done

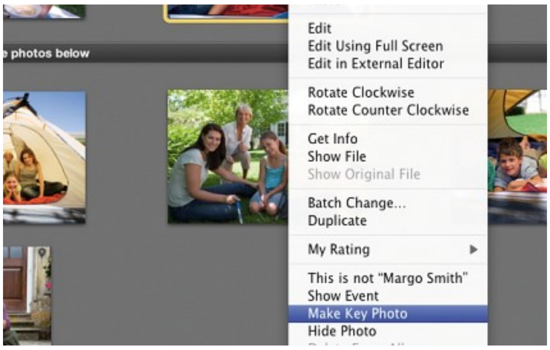
01 Navigate your library using the left and right arrows at the bottom-right of the window and tag everyone. If the same person is in the shot, just click where it says **Unknown Face** and start typing. The list of other names that you've tagged appears, and filters down the more letters you type. Select the correct name either with the mouse, or by highlighting it and hitting ⏎.


Confirm Photos of Margo Smith
Margo Smith
Margo Smith
Margo Smith may also be in the photos below
Margo Smith
Margo Smith
Not Margo Smith
Cancel
Done

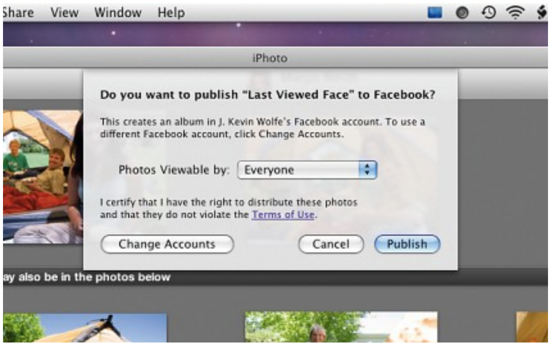
02 Even better, *iPhoto* can make intelligent guesses about who's in all your photos. Click **Faces** in the leftmost pane, double-click on one of the people you've named and then click **Confirm Name**. *iPhoto* will show you the faces it thinks match. Click once to confirm, twice to reject; the more you train *iPhoto*, the better it gets at matching. Drag over multiple images to confirm them all.


Cassie Smith
Chenva Smith
Margo Smith
11/25/06
2 photos
Enter full name
margosm@me.com
Done

03 To change a name on the **Faces** corkboard, or add a full name and email address to all photos of a person, move your cursor over the bottom-right corner. An **i** icon will appear; click on it to flip it over and enter the details. *iPhoto* will use this email address to match this person on Facebook if you choose to publish to that site. Move the cursor over the thumbnail to scan the photo pile.


photos below
Edit
Edit Using Full Screen
Edit in External Editor
Rotate Clockwise
Rotate Counter Clockwise
Get Info
Show File
Show Original File
Batch Change...
Duplicate
My Rating
This is not "Margo Smith"
Show Event
Make Key Photo
Hide Photo

04 You can easily set the key photo that shows on your corkboard for each pile of photos. Double-click on a stack then right-click on the photo you want to represent it. Choose **Make Key Photo** from the menu. Alternatively, hover the mouse cursor over the stack of images; skim through the stack and then hit [Space] when you're hovering over the picture you want.


Share View Window Help
iPhoto
Change Accounts
Cancel
Publish
ay also be in the photos below

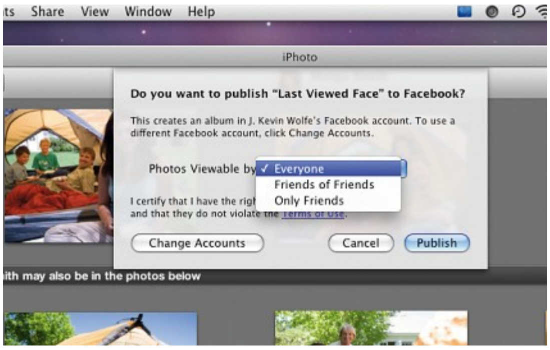
Do you want to publish "Last Viewed Face" to Facebook?

This creates an album in J. Kevin Wolfe's Facebook account. To use a different Facebook account, click Change Accounts.

Photos Viewable by: Everyone

I certify that I have the right to distribute these photos and that they do not violate the Terms of Use.

05 Click on the **Facebook** button. *iPhoto* will ask if you want to set up Facebook publishing if you haven't already. Click the **Setup** button. Enter your Facebook username and password to connect and choose to stay logged in unless you don't mind punching in the password each time you want to upload. Click the **Login** button, then the **Allow** button and finally the **Close** button.


ts Share View Window Help
iPhoto
Photos Viewable by
✓ Everyone
Friends of Friends
Only Friends
Change Accounts
Cancel
Publish
ith may also be in the photos below

Do you want to publish "Last Viewed Face" to Facebook?

This creates an album in J. Kevin Wolfe's Facebook account. To use a different Facebook account, click Change Accounts.

06 You'll be asked if you want to publish the current **Event** or **Album**, and be able to select who can view it. **Everyone** makes the photos completely public. **Friends Only** enables those you confirmed as friends to see them. **Friends Of Friends** enables friends and anyone they're connected with to view. Click the **Publish** button, then sit back and wait for the upload to complete. ●

» EXPERT TIP

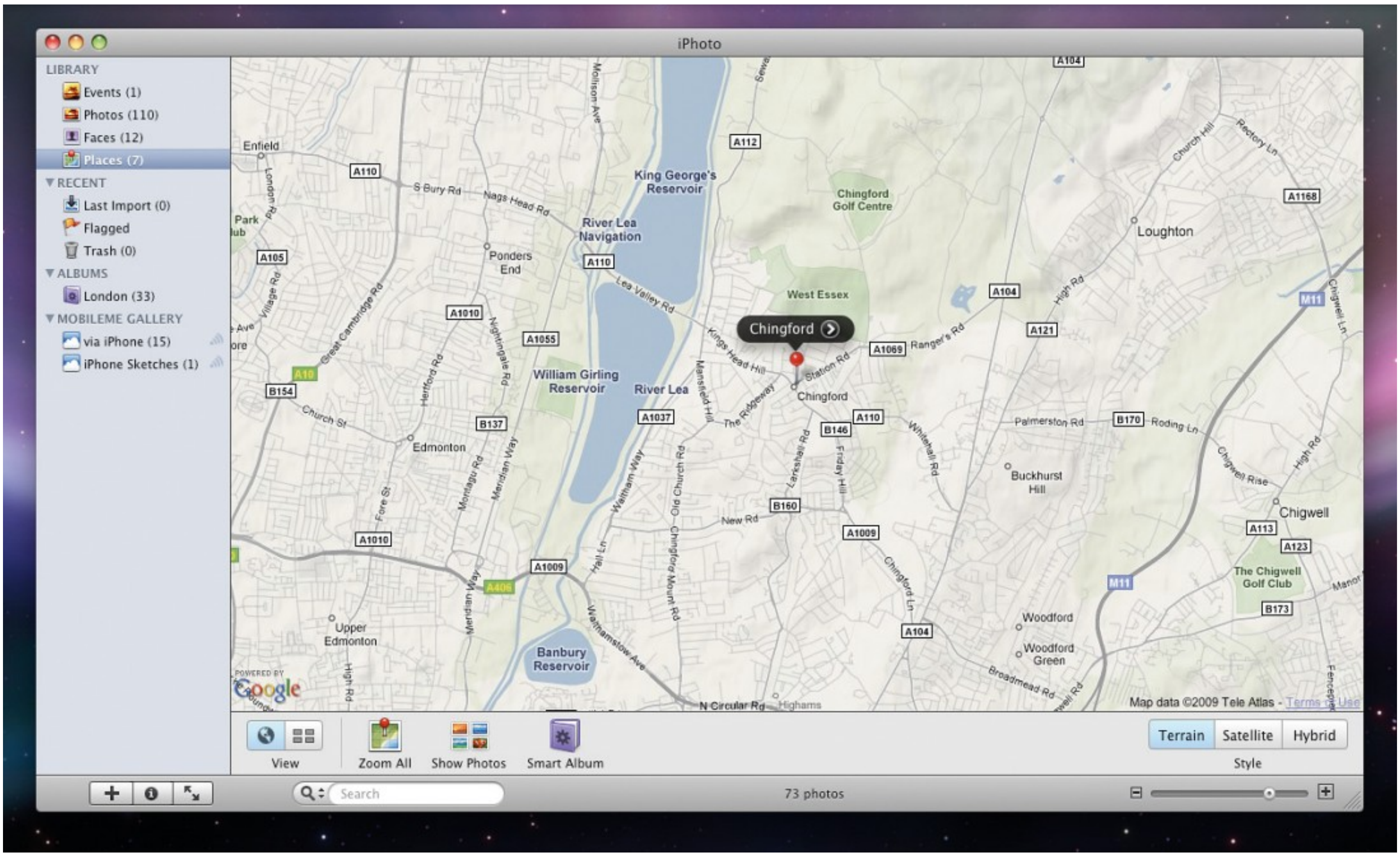
iPhoto's **Faces** feature works best when the pictures you're taking are of people looking directly into the camera. If you have lots of shots of people taken at odd angles, *iPhoto* might struggle to recognise them as faces, never mind being able to make a guess at who they might be.

It can also struggle with glasses – both prescription types for correcting poor eyesight, and sunglasses – though it seems less fazed by facial hair. That's hardly surprising, given that facial recognition works by analysing patterns of where your eyes, nose and mouth sit in the shape of your face.

Finally, note that while many consumer cameras may boast 'face detection' modes, it's not the same as what *iPhoto* does. Such modes pick out faces in a scene and prioritise the exposure for them specifically, rather than identifying and naming a given face.

» QUICK TIP

You can create simple **Smart Albums** of people by dragging them from the corkboard, but consider adding other variables – such as where the photos were taken, if you're tagging them with **Place** information – to build richer, automatically-updating albums.


iPhoto
LIBRARY
Events (1)
Photos (110)
Faces (12)
Places (7)
RECENT
Last Import (0)
Flagged
Trash (0)
ALBUMS
London (33)
MOBILEME GALLERY
via iPhone (15)
iPhone Sketches (1)
Chingford
View
Zoom All
Show Photos
Smart Album
Terrain
Satellite
Hybrid
Style
Search
73 photos
Map data ©2009 Tele Atlas - Terms of Use

Make use of Places

iPhoto's new Places feature enables you to pinpoint the location of your camera shots.

Places puts your iPhoto library on the map with geographical locations

Places is a new organising tool in *iPhoto '09* that enables you to find photos based on where they were shot. When you take a photo with the 3G iPhone, the exact co-ordinates where a picture was shot are permanently marked in the photo file, thanks to the iPhone's dedicated GPS chip.

It's done invisibly, tucked away in the photo's 'metadata'; that part of a photo in which cameras also record information such as the metering mode, ISO rating and details of the lens focal length and aperture settings. Some manufacturers are beginning to add GPS to their cameras, though for now you're more likely to see it as a hotshoe add-on for DSLRs than built into consumer compacts. One of the few compact cameras to have it included is Nikon's Coolpix P6000, but when we reviewed it in *MacFormat* issue 203, we were disappointed to note that it struggled to get a lock on satellites at all, despite perfect conditions. Its pictures weren't particularly clean either, especially in low light, and the £300 you'd need to buy it could be much better spent on a solid low-end DSLR. So: a gimmick, at the moment, but something that's sure to grow in popularity as it matures.

To see the GPS tags in an image, click on a photo to highlight it and press ⌘+⌥+I. When the **Extended Photo Info** window opens you'll find GPS co-ordinates under **Location**. If your camera records an altitude co-ordinates, that will also be available. If you haven't got a camera that supports GPS, don't worry; **Places** is connected to Google Maps, so you can pinpoint where your photos were shot and mark them yourself with an exact location. You can enter locations of whole **Events** too, making this process even simpler. *iPhoto* even remembers all your locations; just start typing and a list of them appears. *iPhoto* then marks your photo locations on the map. Once you initiate **Places** you'll start seeing pins pop up on the **Places** map for photos in your library, based on GPS and other criteria.

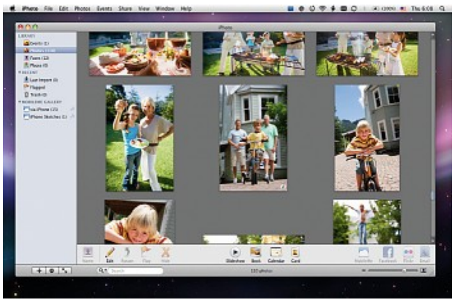
How precise you'd like to be is up to you. If you want to keep it simple and just mark the city, that's easy enough. You'll probably find it useful to include specific locations, such as your own house or places of interest.

> *"Once you initiate Places you'll see pins pop up on the map for photos in your library"*

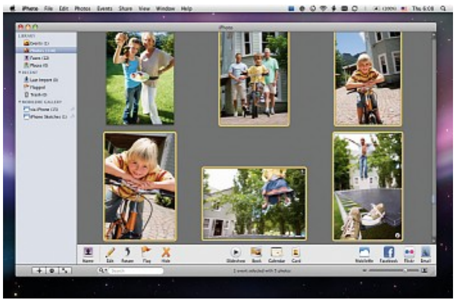
»QUICK TIP

In order for an iPhone to record the co-ordinates of where you were when its camera shot particular photos, you have to make sure that **Location Services** is turned on in its **Settings** application.

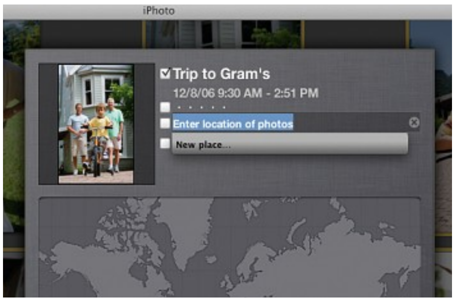
HOW TO / Geotag your photos



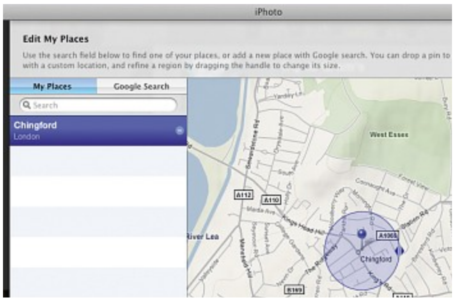
01 You can't realise the full power of **Places** until you have some tagged photos in your *iPhoto* library. Typically, most of the photos we take are from places we visit often. It's best to start tagging these, since there are more of them. That way, you'll quickly get most of your library in **Places**. Go ahead and pick an image near to your home.



02 You can make multiple selections to tag all at once by clicking on the first photo and either holding down the S key and clicking on the last of a block of shots, or clicking on others while holding ⌘. Next, move your cursor over the bottom-right corner of a highlighted thumbnail in your library. Click the i icon when it appears.


iPhoto
Trip to Gram's
12/8/06 9:30 AM - 2:51 PM
Enter location of photos
New place...

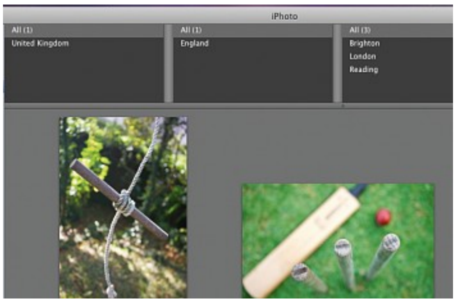
03 On the back of the photo, click on **Enter Photo Location**. This data will be added to all highlighted images. Select **New Place** or just start typing for a list; you can even type a landmark such as 'Eiffel Tower', and *iPhoto* recognises it. When you click **New Place**, Google Maps opens. Type in the city or street and hit ↩. You'll get a list of choices. Click on one.


iPhoto
Edit My Places

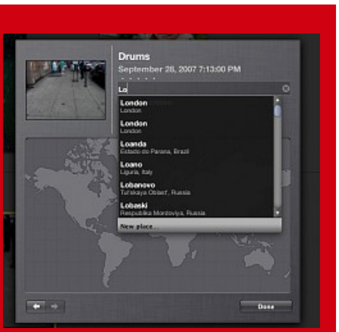
Use the search field below to find one of your places, or add a new place with Google search. You can drop a pin to with a custom location, and refine a region by dragging the handle to change its size.

My Places
Google Search
Search
Chingford
London
West Essex
Chingford

04 If *iPhoto* doesn't get the location exactly right – and you care enough to make your data accurate – move the blue pin to precisely target the location. If Google Maps can't find your location, click the **Drop Pin** button and place it. Once you have the right spot, click **Assign To Photo**. The location will appear in the list. Click the **Done** button.

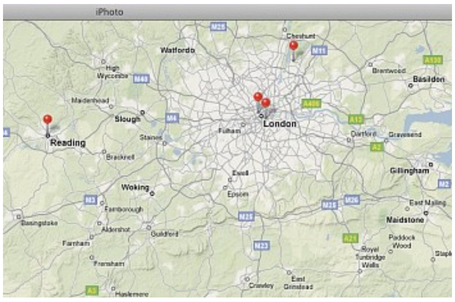

iPhoto
All (1)
United Kingdom
All (1)
England
All (3)
Brighton
London
Reading

05 Select **Places** in your **Library** list. On the bottom-left you'll find connected buttons. The **Squares** button gives you lists of your pinpointed locations by country, region, city and street that you can browse. Clicking any item on the list narrows your photos to just those taken there. Next, click on the **Globe** button if the map isn't already showing.

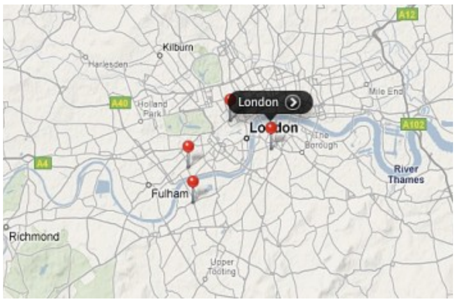

Drums
September 28, 2007 7:13:00 PM
Lo
London
London
London
Loanda
Loano
Lobanovo
Lobaski
New place...
Done

QUICK TIP

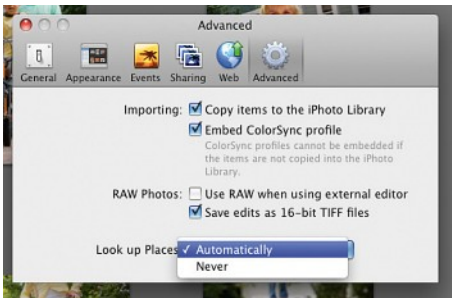
Since *iPhoto* treats movie clips from your digital camera like photos, you can add locations to your movies too. These show up below the images on location lists.


iPhoto
Watford
Reading
Slough
London
Woking
Maidstone
Gillingham
Basildon

06 Clicking on the **Zoom All** icon narrows the map to only areas where you have pins (if you haven't travelled much the map will zoom into your local area). Drag the zoom slider to the left to get closer. The **Show Photos** button will show photos for the pin locations visible on the map. Click the **Smart Album** button to create an album of those photos.


Kilburn
London
London
Fulham
Richmond
River Thames

07 Move your cursor over a pin on the map. A transparent black tag will appear over it with the location's name; now click on the arrow at the right of the tag. This will call up all photos that are assigned to that place – a great way of browsing shots using this cartographic view. It can be a bit touchy, so carefully slide your cursor up to the tag without moving off it.


Advanced
General
Appearance
Events
Sharing
Web
Advanced

Importing: ☑ Copy items to the iPhoto Library
☑ Embed ColorSync profile
ColorSync profiles cannot be embedded if the items are not copied into the iPhoto Library.
RAW Photos: ☐ Use RAW when using external editor
☑ Save edits as 16-bit TIFF files
Look up Places ✓ Automatically
Never

08 If you have a camera that embeds GPS data, **Places** can look up the location names for you. Click the *iPhoto* menu, select **Preferences** then click the **Advanced** icon. From the **Look up Places** drop-down choose **Automatically**. *iPhoto* will look up all locations for you when you import photos and search out existing GPS tags. ●

Perform basic edits

Straighten up and improve your shots the easy way – with just a few clicks!

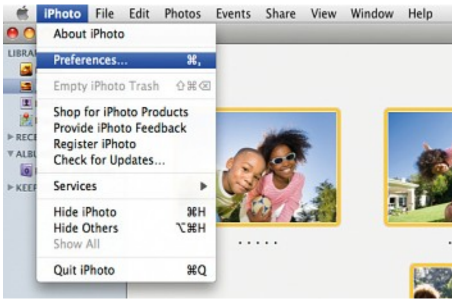
With the best will in the world, not every photograph that you take will be a prize-winning masterpiece. Almost any photo can be improved with more creative cropping, adjustment of exposure, tweaking of colours and removing nasties such as the red-eye effect from a camera's flash.

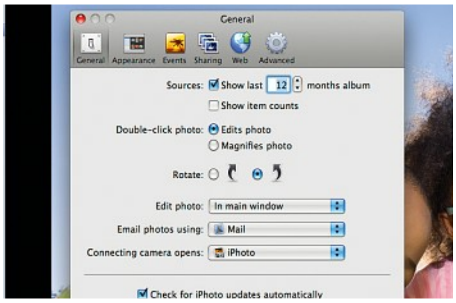
But *iPhoto*'s editing controls aren't just for photographic mistakes. For example, there's a handy **Retouch** tool that can conceal spots, pimples or just things that you don't want in the photo. In fact, *iPhoto* can handle almost any standard edit that a professional image-editing program can, although there's nothing to stop you from using an external package if you prefer.

If you do a lot of editing, you can choose to set up *iPhoto* to make it quicker and easier when you're sorting through your photos – the walkthrough below shows you how to do this. The basic editing tools that *iPhoto* offers in its **Main Window** mode consist of: **Rotate**, **Crop**, **Straighten**, **Enhance**, **Red-eye** and **Retouch**. There are also two panels offering more discrete options, called **Effects** and **Adjust**, which we'll discuss in detail in the next section.

The basic tools within *iPhoto* provide you with quick and easy ways to rotate photos from landscape and portrait orientations, crop them to a specific size or aspect ratio and straighten images with wonky horizons. Used alone or combined for effect, these few basic tools make it possible for you to present all of your favourite photographs at their very best!

» HOW TO / Customise your editing preferences

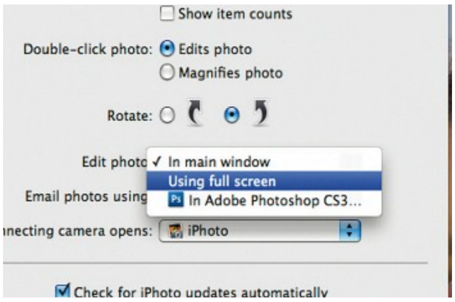




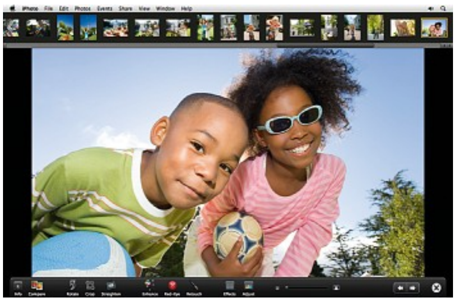
Sources: ☑ Show last 12 months album
☐ Show item counts
Double-click photo: ● Edits photo
○ Magnifies photo
Rotate: ○ ↶ ● ↷
Edit photo: In main window
Email photos using: Mail
Connecting camera opens: iPhoto
☑ Check for iPhoto updates automatically

01 Go to **Preferences**, which you'll find under the **iPhoto** menu – or use the shortcut of ⌘+, – and choose what *iPhoto* should do when you double-click on a photo. There are two choices: zoom into a photo when it's double-clicked or launch into **Edit** mode. Choose one then select which **Edit** mode to use.

02 There are three choices to make when it comes to the **Edit** mode. First, you can opt to edit your photos in *iPhoto*'s normal window. This is fine, but if you want more room to work in you can choose **Full Screen** mode – this makes your photo as large as possible. The final option is to use an external image editor.



☐ Show item counts
Double-click photo: ● Edits photo
○ Magnifies photo
Rotate: ○ ↶ ● ↷
Edit photo: ✓ In main window
Using full screen
In Adobe Photoshop CS3...
Email photos using
Connecting camera opens: iPhoto
☑ Check for iPhoto updates automatically



03 You might prefer to use an external editor such as *Photoshop Elements* or *Photoshop CS4*. They're more sophisticated programs that offer extra features such as layers and filters. If you want to use an external program, set and choose it in the **General** preferences option.

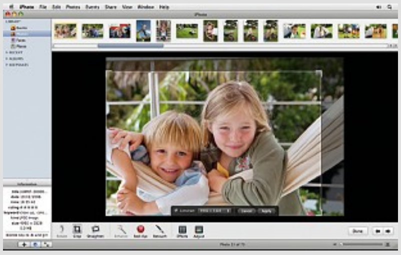
04 The **Full Screen** editing mode zooms in on your photo so that it fills the whole screen. The editing tools appear in an auto-hide menu dock at the bottom. There's a filmstrip that appears at the top of the screen when you move your mouse up there – this provides an easy way to choose another photo to work on.

» EXPERT TIP

Cropping a photograph is an art, pure and simple. Choosing what to leave in a shot and what to take out is an artistic decision. And although it's always best to get as good a composition as you can 'in camera', it's not always possible for one reason or another. Cropping a photo so that it looks its best can make a huge difference, even to a mediocre shot. With an effective crop you can change a picture entirely.

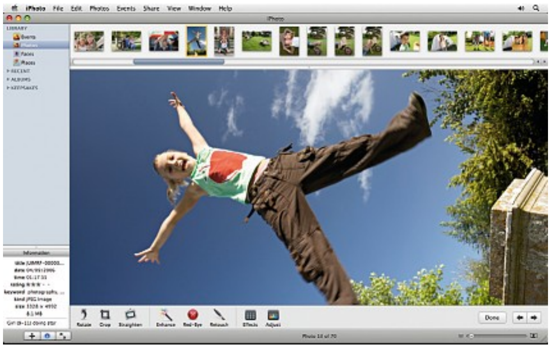
If you want to keep your photo to the same aspect ratio at which it was taken, then you can opt to constrain the crop area of *iPhoto*'s **Crop** tool. Alternatively, if you'd like to crop your photo to a particular standard print size, then *iPhoto* enables you to do that too.

When you crop with **iPhoto**, the area that's about to be chopped out is darkened. This gives you a better idea of how the final result will look. If you like the crop you've chosen, click on **Apply** to make it permanent. If you don't, click **Cancel**. Remember that with *iPhoto* your original shot remains untouched because the crop is carried out on a copy – so you can always revert back to the original if needed.

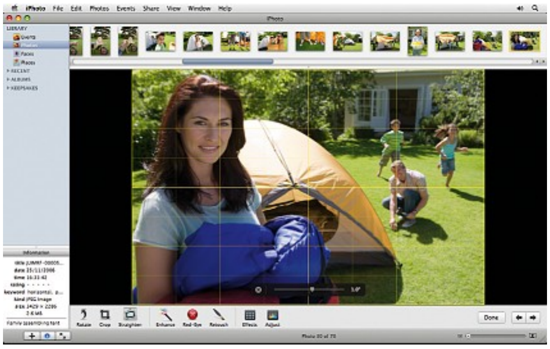


The darkened area is cropped from the image.

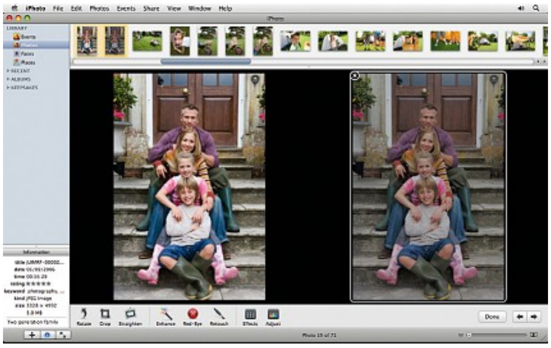
» HOW TO / Use the basic edit tools



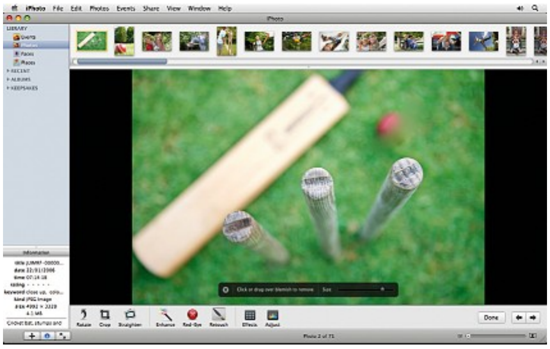
01 The **Rotate** tool can turn a photo through 90 degrees – either clockwise or counter-clockwise. By default, the tool appears in counter-clockwise mode; change this by going to **Preferences** and clicking on **General**, where there's an option to change the default rotate direction. You can also change the direction by holding the ⌥ key before clicking the **Rotate** button.



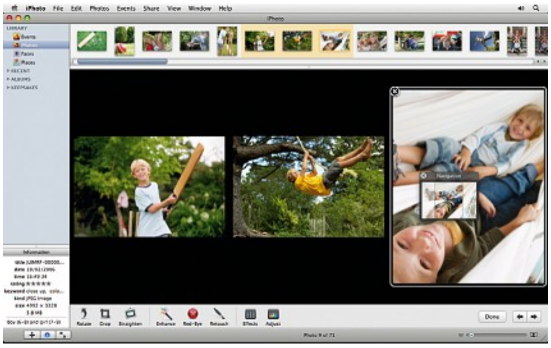
02 Not all of your shots will be perfectly straight. If your picture has straight lines in it, such as the French windows in the background of this shot, or maybe the horizon in a seascape, then you'll want to straighten things up a bit. Just select the **Straighten** tool and move the slider. A handy grid helps you to get things right; just line it up with the verticals and horizontals.



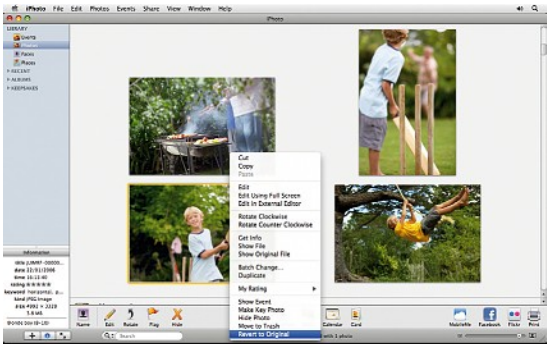
03 Your shots won't all be perfectly exposed, but for this, *iPhoto* offers the **Enhance** tool. It's no substitute for manual tinkering with the **Adjust** palette and while it doesn't always work out – be prepared to press ⌘+Z to reverse the tool – in many cases it does a good job. The photo on the right was the 'before' shot, and the one on the left has been enhanced.



04 Whether it's a spot, a pimple or even a cricket ball (as in the shot we've used here), occasionally you'll want to take something out of a photo. The quickest way to do this is to use the **Retouch** tool to airbrush the item away. Simply click or drag the **Retouch** tool over the offending object and see it disappear. To view the original shot, tap the S key at any time.



05 If you can't decide which photo to edit from a series, simply select the ones you want to compare by clicking on them in the filmstrip at the top of the *iPhoto* window while holding down the ⌘ key. You can zoom in on each photo independently. This **Compare** feature is particularly useful for choosing between shots that are very similar to each other.



06 When you're editing your photos, not every choice will turn out to be an unqualified success. If you do go wrong you can always press the ⌘ and Z keys at the same time to undo an action. However, to revert back to the original shot, just click on **Done** to confirm the edit and you'll exit the **Edit** mode. Right-click on the photo you want to undo and select **Revert To Original**. ●

» EXPERT TIP

If you've composed your shots well and your camera is working correctly, then a bit of cropping and occasional use of the **Retouch** or **Enhance** tool is all you'll need. Beware of doing too much to your shots and don't be tempted to over-crop. A tight crop may look arty, but small crops mean you'll lose some of the resolution of the original. A good rule of thumb for composition is to get in close and fill the frame as much as you can. No one likes long shots with tiny dots in them; people want to see faces really close up.

Another particularly useful composition aid is the rule of thirds. This concept declares that important aspects of a photo should lie on imaginary lines cutting through the thirds of the horizontal and vertical aspect of the frame. It can be very effective, so give it a try and cut down on your editing.

» QUICK TIP

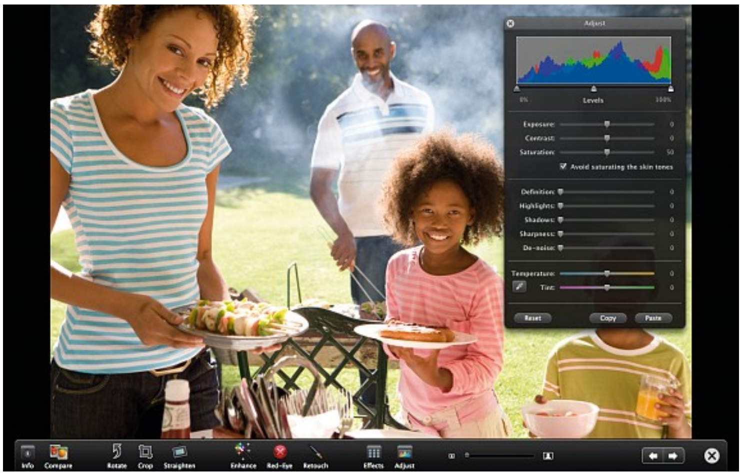
The full-frame mode is a great way to edit a shot without all the clutter of the main *iPhoto* window. The black background helps to concentrate the mind when editing. To enter **Full Screen** mode, press ⌘+⌥+F.

Use the Adjust palette

A little time spent here will make a big difference to your photos

» QUICK TIP

Learn to read a histogram, as it offers lots of information. When you know how to recognise a well-exposed photo from the shape of its histogram, you'll soon discover how to use this tool to guide you in making adjustments to any pictures that aren't so well exposed.



Exposure: 0
Contrast: 0
Saturation: 50
☑ Avoid saturating the skin tones
Definition: 0
Highlights: 0
Shadows: 0
Sharpness: 0
De-noise: 0
Temperature: 0
Tint: 0

Use the Adjust palette's sophisticated set of tools to make subtle tweaks to your image.

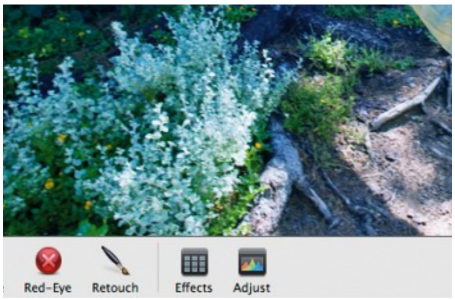
Cropping, rotating, auto enhancement and the occasional retouch may be all your pictures need before you share them with friends. But as you develop an eye for photography and start to edit them on your Mac, you'll want to learn how to make adjustments to your photos so that they really sparkle.

The truth is that even with the best digital camera, your photos will probably be able to benefit from a few tweaks and adjustments. The majority of us keep our cameras on Auto mode and rarely venture into the high-end manual settings that professional photographers use. This is fine most of the time, but occasionally a tricky scene or some subtle lighting can affect or confuse even the most advanced digital camera. In these circumstances it's a good idea to have a few tricks up your sleeve to tame those wilder shots.

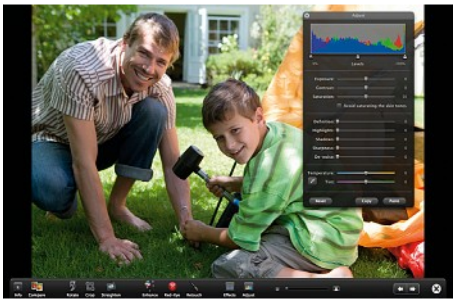
The **Adjust** palette in *iPhoto* is a remarkably sophisticated set of controls that enables you to make adjustments to the exposure of a photo, as well as its colour tint, white balance, sharpness and even the amount of punch. We'll explain how each of them functions, so that by the time you've worked through this section you'll feel confident about how and when to make adjustments.

When you're altering things such as exposure and colour balance, it's essential that your Mac's screen be properly adjusted. The human eye can convince you that what you're seeing on your screen is normal. Because we expect, say, skin to look a certain way, if it isn't the right colour on-screen, our brains fool us and adjust our perception to make it look right. Unfortunately, colour printers aren't that smart and they print what they're told. To make sure your photos print properly, you may want to buy a colour calibrator. Prices start at around £60 and they're well worth the money if you're serious about your photography.

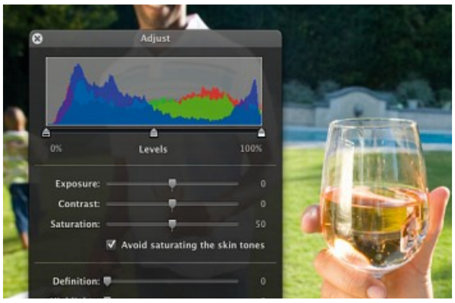
» HOW TO / Call up the Adjust palette



01 Whether you're editing in the main window or in **Full Screen** mode, summoning the **Adjust** palette involves clicking on the **Adjust** icon in the **Edit** toolbar. This brings up the 'HUD', or Heads Up Display. It appears as a semi-transparent palette showing a histogram and all the exposure and colour controls you need.



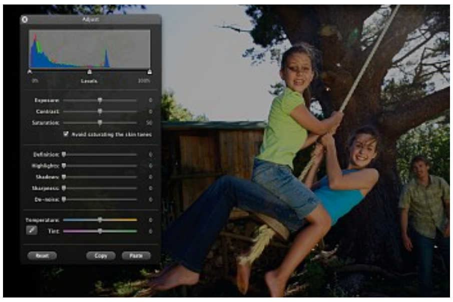
02 We're working on this shot in **Full Screen** mode for the sake of clarity. Clicking on the **Adjust** icon has brought up the nice big **Adjust** HUD, which is divided into four sections: the histogram, the exposure controls, fine-tuning and, finally, colour balance. For best results, work your way through the controls from top to bottom.



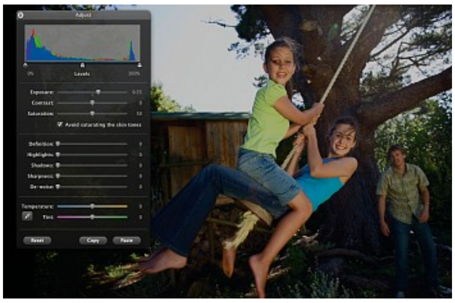
Exposure: 0
Contrast: 0
Saturation: 50
☑ Avoid saturating the skin tones
Definition: 0

03 The HUD offers feedback with a histogram. This graph shows how the colours and light levels are distributed in a photo. The dark areas are on the left, moving up through midtones to highlights on the right. A well-exposed photo has a histogram that looks like a mountain, starting gently on the left and ending gently on the right.

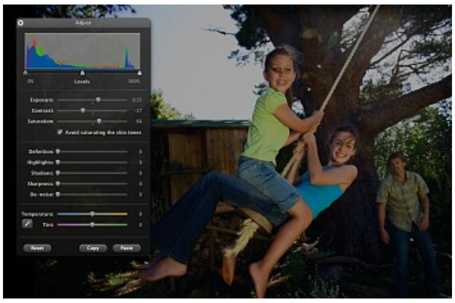
HOW TO / Adjust the exposure



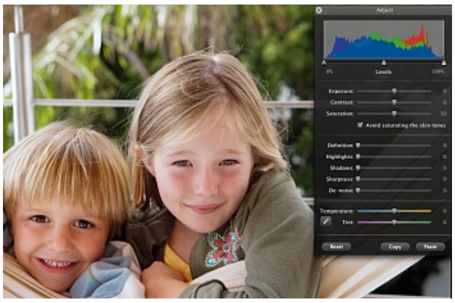
01 With just one look at the **Adjust** HUD's histogram on this shot, we can see that it's underexposed. The graph is all bunched up at the dark end of the scale and the midtones are completely flat. Increasing the **Exposure** slider will help. In this situation the camera was fooled by a big patch of light behind the tree, so let's see if we can sort that out.



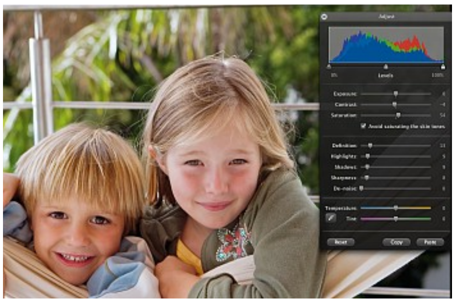
02 We've racked up the **Exposure** slider here and already we can see a big difference. Increasing **Exposure** isn't a magic bullet and it does introduce its own problems with increased digital noise in the shadow areas – and the colours also take a bit of a hammering. We're not there yet. A little bit of a reduction in the **Contrast** might be a good next step.



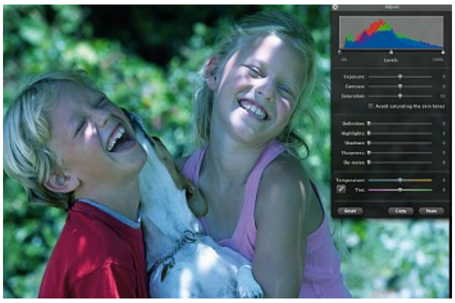
03 Things improve when we reduce the HUD's **Contrast** slider to tame some of the blackness. Look at the histogram again and you can see that the right-hand side has a bit more of a gentle curve to it. We're getting there. The colours are a bit saturated but ticking the box marked **Avoid saturating the skin tones** will help to keep them normal.



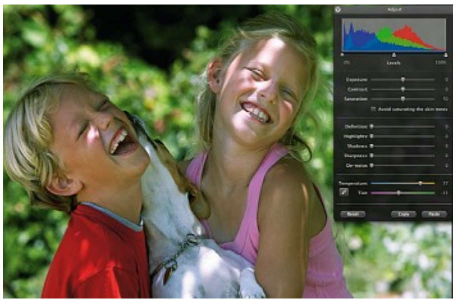
04 For this shot we're going to use the fine-tuning section in the middle of the **Adjust** HUD. **Definition** increases the contrast between light and dark areas for more punch. The **Highlights** slider tames burned-out patches while **Shadows** reveals detail in darker areas. **Sharpness** does what it says, while **De-noise** deals with noise from poor exposure.



05 This shot needed a little more saturation before we made other changes – then we moved on to fine-tuning. We've used all the sliders to produce a better-looking histogram. The **Definition** control has added punch, while the **Highlights** and **Shadows** sliders have balanced the photo. Now this photo's just that bit better and ready for printing.



06 Sometimes your digital camera can make mistakes when it comes to assessing white balance. The photo above was taken under a tree and, as you can see, it has turned out too blue. Also, the light filtering through the tree's leaves has made the children's faces a little too green. The **Adjust** HUD's **Temperature** and **Tint** controls will help.



07 You can correct colour balance manually using the **Temperature** slider and the **Tint** slider. If you know colour and your screen is properly adjusted, then this is often a good way to proceed. If you're not sure, simply click on the **pipette** icon and then click on a neutral spot on the photo to set the white balance semi-automatically.

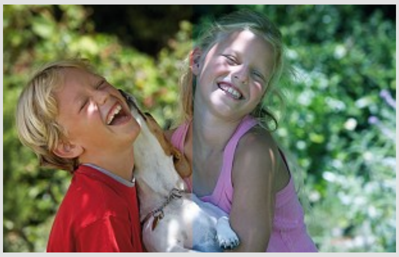
EXPERT TIP

Although your camera does a good job of accurately setting the white balance for a photo, occasionally it can get things wrong and a shot can appear too cool or too warm.

Most digital cameras are used with their white balance setting on **Auto**, but they also have manual settings with fixed colour settings, called **Presets**. If you shoot pictures in RAW mode then you can ignore the white balance settings, as the RAW files can be tweaked perfectly in *iPhoto* to suit the conditions the shots were taken in.

If your camera fails to get the right white balance on its **Auto** setting then you can always use *iPhoto's* colour adjustments to put things right. The lower section of the **Adjust** palette has two controls that are used for this. There's also the **Auto** setting represented by the pipette in the **Adjust** palette. Click on this and then pick a neutral area on the picture to set the white balance.

White balance really matters when it comes to skin tones. If you're taking a portrait, try including something white or neutral grey in the shot as a reference point.



One half is too cold; the other half is just right.

Share your photos

Spread the pleasure by sharing your photos with friends all over the world

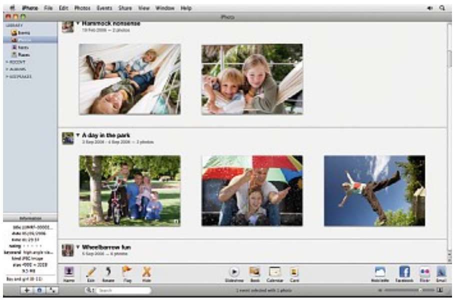
The great joy of taking photos is the sheer pleasure to be had from sharing them with others. What use are your photos if they're just stuck in your digital camera or on your Mac? Fortunately, sharing is an integral part of *iPhoto* and there are lots of ways that the application enables you to pass those shots around.

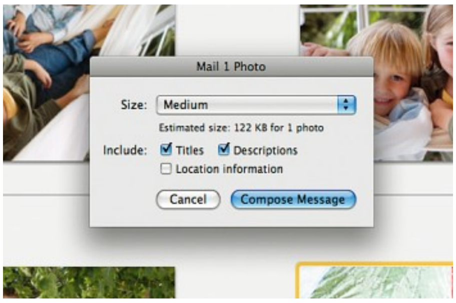
Obviously, the old-fashioned technique of printing out your photos is never going to go away. Postcard-size prints fit easily into a pocket or handbag and you can share them anywhere at any time. For this reason, *iPhoto* has some great print options built in. You can order your prints over the internet or print at home on your own colour photo printer.

But paper isn't the only way to share your shots. The internet is the best way of sharing your photos with friends and family, wherever they are in the world. *iPhoto* enables you to upload your photos to a MobileMe gallery if you have a MobileMe membership and you can also send your shots to Flickr using the new Flickr export feature in *iPhoto '09* – see page 45.

If you prefer, you can use *iPhoto* to send your photos via email or give them to someone on a CD or DVD. Simply burn your photos to a CD or DVD and use *iPhoto's* comprehensive export facility, which enables you to save your edited photos in a whole range of formats and sizes to suit just about everyone. The perfect photo album gift is a just few clicks away…

>> HOW TO / Email your photos





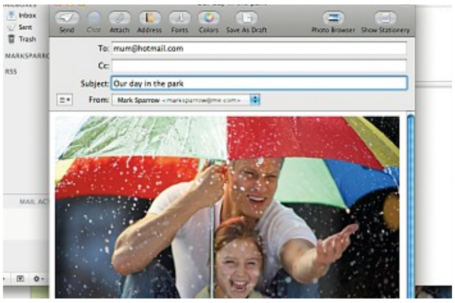
Mail 1 Photo

Size: Medium

Estimated size: 122 KB for 1 photo

Include: ☑ Titles ☑ Descriptions ☐ Location information

Cancel
Compose Message



To: mum@hotmail.com

Cc:

Subject: Our day in the park

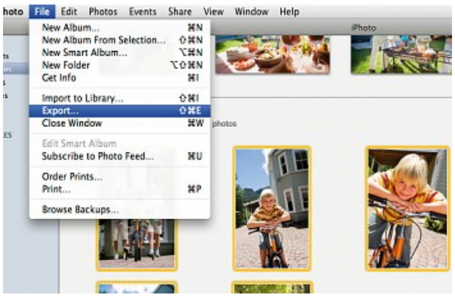
From: Mark Sparrow <marksparrow@me.com>

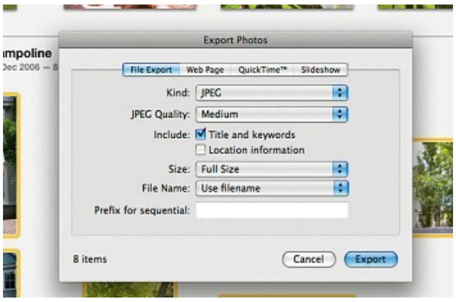
Send
Chat
Attach
Address
Fonts
Colors
Save As Draft
Photo Browser
Show Stationery

04 The first thing most of us want to do is email a photo to a friend. Fortunately, it's easy and you don't have to mess around with attachments or optimising the image size. Let's start by emailing a single shot. You can use Apple's *Mail*, but if you prefer another program then choose which one you want *iPhoto* to use.

05 Click on the photo to email and then on the **Email** icon in the bottom-left. You'll see a window pop up asking what size you want to send the photo. Smaller downloads faster, but larger or original size will yield better enlargements. You can choose to send GPS information too, if that's encoded in your shot.

04 The final step in emailing your photo is launching *Mail*. Your chosen photo or photos are attached at the size you've specified. All you have to do is type in the email address of the person you're sending it to. Don't forget to add a message. Any keywords applied to the shot will be pasted into the email.


iPhoto
File
Edit
Photos
Events
Share
View
Window
Help
New Album… ⌘N
New Album From Selection… ⇧⌘N
New Smart Album… ⌥⌘N
New Folder ⌥⇧⌘N
Get Info ⌘I
Import to Library… ⇧⌘I
Export… ⇧⌘E
Close Window ⌘W
Edit Smart Album
Subscribe to Photo Feed… ⌘U
Order Prints…
Print… ⌘P
Browse Backups…



Export Photos

File Export
Web Page
QuickTime™
Slideshow

Kind: JPEG

JPEG Quality: Medium

Include: ☑ Title and keywords ☐ Location information

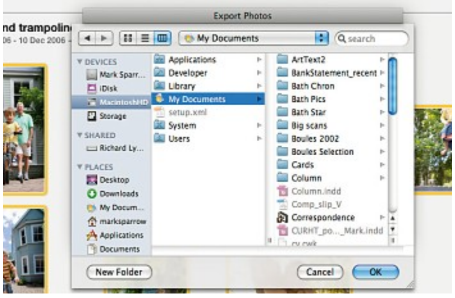
Size: Full Size

File Name: Use filename

Prefix for sequential:

8 items

Cancel
Export

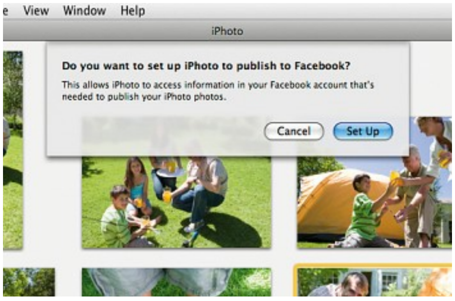

Export Photos
My Documents
search
DEVICES
Mark Sparr…
iDisk
MacintoshHD
Storage
SHARED
Richard Ly…
PLACES
Desktop
Downloads
My Docum…
marksparrow
Applications
Documents
Applications
Developer
Library
My Documents
setup.xml
System
Users
ArtText2
BankStatement_recent
Bath Chron
Bath Pics
Bath Star
Big scans
Boules 2002
Boules Selection
Cards
Column
Column.indd
Comp_slip_V
Correspondence
New Folder
Cancel
OK

06 If your photos are too big for email, burn them to a CD or DVD and pop them in the post. *iPhoto's* **Export** feature saves your photos in any size and almost any format. Burn them and either save them as a backup or share them. Select your photos and then go to File > Export or use the shortcut, ⌘ + ⌥ + E.

07 When you choose **Export**, a window pops up enabling you to save your files in other formats. You can also save them as HTML web pages, *QuickTime* movies or an *iPhoto* slideshow. We've chosen JPEG in the **Kind** drop-down and set the size to maximum. The next step is to click on the **Export** button.

08 There's one last stage before you burn – tell *iPhoto* where you want to save your photos. If you're going to burn them to a disc, you can save them to the Desktop, but it's best to put them in their own folder to keep things tidy. Click on **New Folder** to create a place to store your photos before you burn them.

HOW TO / Send your photos to Facebook

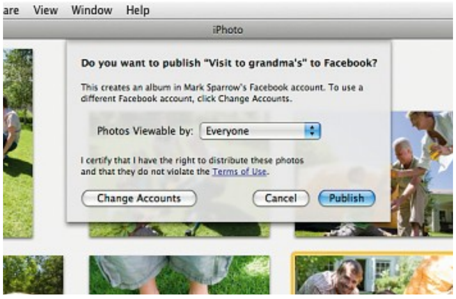

View
Window
Help
iPhoto

Do you want to set up iPhoto to publish to Facebook?

This allows iPhoto to access information in your Facebook account that's needed to publish your iPhoto photos.

Cancel
Set Up

01 Facebook is a great way of sharing what you're up to, and uploading photos is easy using *iPhoto*. Highlight the images you want to upload and then click on the **Facebook** icon. Follow the steps in the pop-up window. Ensure your Facebook account is set up first.


View
Window
Help
iPhoto

Do you want to publish "Visit to grandma's" to Facebook?

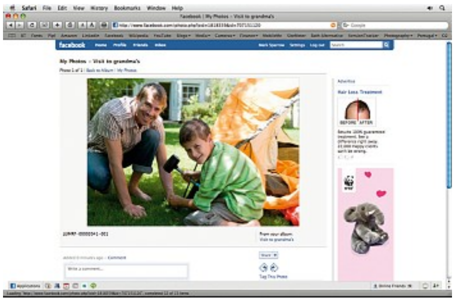
This creates an album in Mark Sparrow's Facebook account. To use a different Facebook account, click Change Accounts.

Photos Viewable by: Everyone

I certify that I have the right to distribute these photos and that they do not violate the Terms of Use.

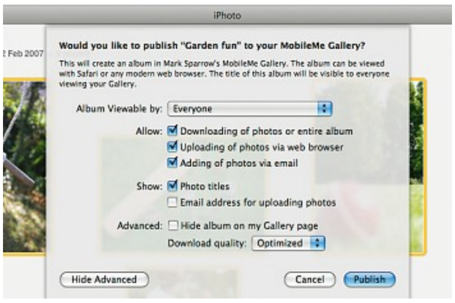
Change Accounts
Cancel
Publish

02 Now you need to give the okay to Facebook before the upload can proceed. Then set a privacy level for your upload. Choose to allow **Everyone**, **Friends Of Friends** or just **Friends** to see your uploads. Finally, click on **Publish** and your upload will begin.


facebook
My Photos › Visit to grandma's

03 Here's our upload on Facebook. The album you've uploaded will appear in *iPhoto's* sidebar with a **Facebook** icon alongside. If you use the *iPhoto '09* **Faces** function, add a Facebook ID and email address for your **Faces** – friends will then be alerted to new photos.

HOW TO / Share your photos with MobileMe


iPhoto
2 Feb 2007

Would you like to publish "Garden fun" to your MobileMe Gallery?

This will create an album in Mark Sparrow's MobileMe Gallery. The album can be viewed with Safari or any modern web browser. The title of this album will be visible to everyone viewing your Gallery.

Album Viewable by: Everyone

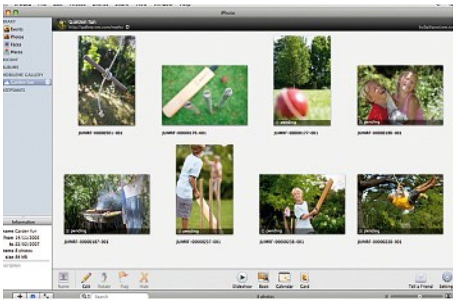
Allow: ☑ Downloading of photos or entire album
☑ Uploading of photos via web browser
☑ Adding of photos via email

Show: ☑ Photo titles
☐ Email address for uploading photos

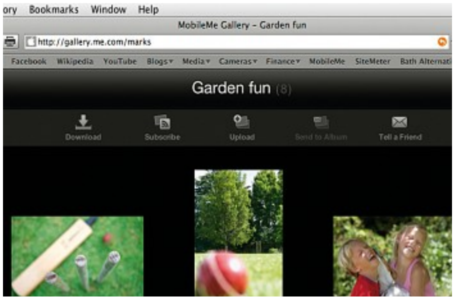
Advanced: ☐ Hide album on my Gallery page
Download quality: Optimized

Hide Advanced
Cancel
Publish

01 If you sign up to Apple's MobileMe service (currently £58 for one year's subscription) you'll get 20GB of online storage for your photos. To upload shots from *iPhoto*, select the photos that you want to upload, and then decide who should be able to view them.

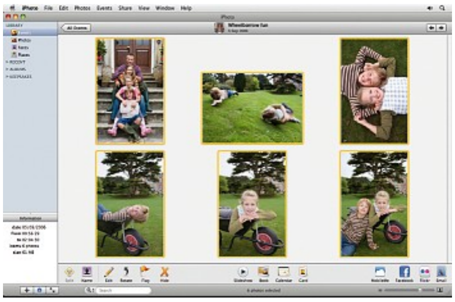


02 Click on **Publish** and then… make a cup of coffee. Even with a fast broadband connection it takes some time to upload photos, as the upstream speed of your connection is always much slower than your download speed. You'll see a progress bar in the sidebar.

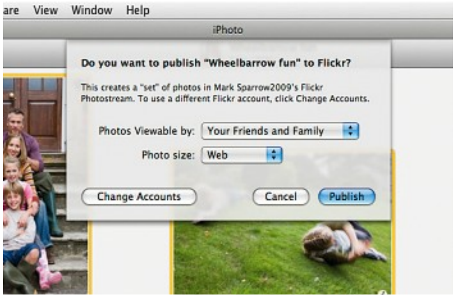

Bookmarks
Window
Help
MobileMe Gallery – Garden fun
http://gallery.me.com/marks
Garden fun (8)
Download
Subscribe
Upload
Send to Album
Tell a Friend

03 The upload produces an online gallery that others can view on any computer. Switch between **Grid**, **Mosaic**, **Carousel** and **Slideshow** views and your friends can download the photos if you've given them permission. The gallery URL is given on upload.

HOW TO / Use Flickr to share your shots


Wheelbarrow fun

01 You can upload albums of photos to a Flickr account online. The basic accounts are free but you can upgrade to upload higher resolution files or store lots of photos. Flickr can even upload some of your information, such as keywords and *iPhoto '09's* new **Places** feature.


View
Window
Help
iPhoto

Do you want to publish "Wheelbarrow fun" to Flickr?

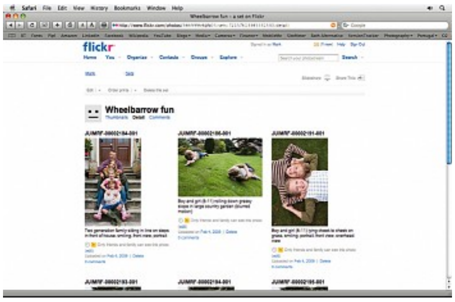
This creates a "set" of photos in Mark Sparrow2009's Flickr Photostream. To use a different Flickr account, click Change Accounts.

Photos Viewable by: Your Friends and Family

Photo size: Web

Change Accounts
Cancel
Publish

02 Once you've signed up for your Flickr account you can begin uploading. Highlight the photos you want to upload and click on the **Flickr** icon in the bottom-right of *iPhoto's* main window. *iPhoto* will push your images to your storage area on Flickr's servers.


flickr
Wheelbarrow fun

03 Here's an album that's been uploaded to Flickr. All your keywords, EXIF data, and any **Places** locations will be uploaded to Flickr – just make sure you tick **Include location information for published photos** in the **Web** tab of *iPhoto's* preferences. ●

Create a photo book

Produce your own glossy book with iPhoto's Book function

>> QUICK TIP

Take a little time to think about the pacing of your book. While it's tempting to make every page a full photo, variety in the number and size of the shots helps to make your design more interesting and is useful in telling a pictorial story.

Viewing your photos on-screen or sharing them with friends is great fun, but despite the fact that we live in a digital age, there's nothing quite like hard copies of our photos to make the experience of sharing them so much more rewarding.

iPhoto offers a fantastic feature for making your own photo books. Turn your images into a luxurious coffee table book that you can give to friends or keep as a souvenir. The choice of sizes and finishes is good and making the books is very easy.

Creating a photo book can be as simple as clicking on an **Event** in *iPhoto*, clicking on the **Book** icon and letting the process put a book together for you automatically. But that would be to miss out on the fun of customising your photo book.

Before you make a book, the best thing to do is to select the pictures you want to go in it and place them into an **Album**. Take your time to look at the shots and decide which ones you'd like to use. You'll also need to make sure you have a choice of portrait and landscape format photos to give your book a bit of variety.

Our family photos
Happy Days

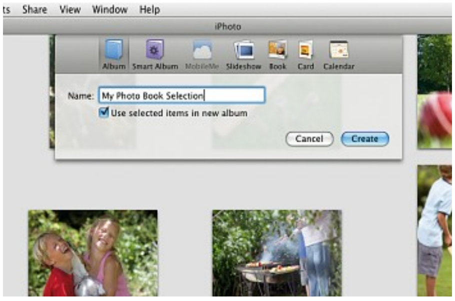
iPhoto enables you to choose from a variety of backgrounds, fonts and layout styles.

There are three types of photo book finish that you can order: hardcover, softcover and wire-bound softcover. The hardcover books come in a single size of 11x8.5 inches, while the softcover versions are available in small, medium and large sizes. The wire-bound softcover books can be ordered in medium and large sizes.

The other decision you need to make is what theme your book should have. There are 14 different designs, so you should find something to suit. Each can be customised further with different page layouts and effects.

Once you've chosen the size and finish for your book, you need to start building it. There's a feature called **Autoflow** that takes all your selected photos and flows them into a book with a mixture of page layouts. All you then need to do is add text and make a few tweaks. But we're going to show you how to take things a step further by editing your page layouts and altering the crops of your shots.

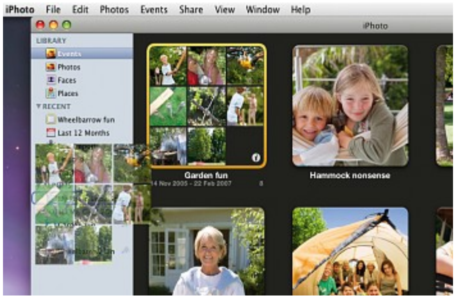
>> HOW TO / Get started with photo books


ts
Share
View
Window
Help
iPhoto
Album
Smart Album
MobileMe
Slideshow
Book
Card
Calendar
Cancel
Create

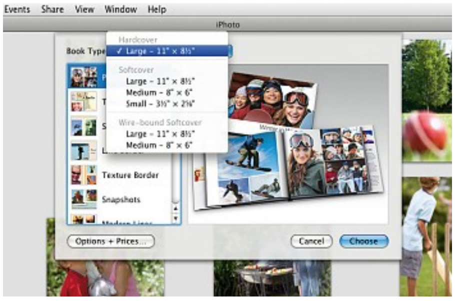
Name: My Photo Book Selection

☑ Use selected items in new album

01 Before you start making your book, it's a good idea to collect the pictures you want to include and put them into an album. Click on the + button at the bottom of *iPhoto's* sidebar and create a plain **Album**. You could opt for a **Smart Album** but if your choice is likely to include some eclectic shots then stick to plain.


iPhoto
File
Edit
Photos
Events
Share
View
Window
Help
iPhoto
LIBRARY
Events
Photos
Faces
Places
RECENT
Wheelbarrow fun
Last 12 Months
Garden fun
Hammock nonsense

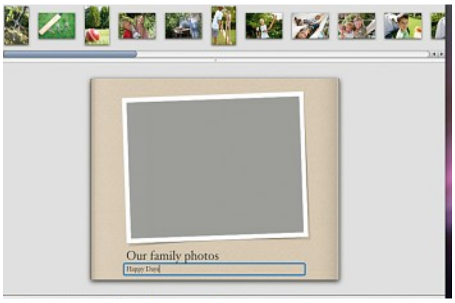
02 You can either drag whole **Events** into your **Album** to include in your book or simply move single shots or collections of shots from the **Photo** view or separate **Events**. Of course, you don't have to make an album first – you could highlight the photos you want in *iPhoto* before clicking on the **Book** icon.


Events
Share
View
Window
Help
iPhoto
Hardcover
Softcover
Large – 11" × 8½"
Medium – 8" × 6"
Small – 3½" × 2⅝"
Wire-bound Softcover
Large – 11" × 8½"
Medium – 8" × 6"
Texture Border
Snapshots
Options + Prices...
Cancel
Choose

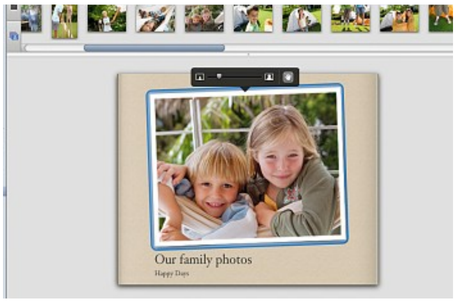
Book Type ✓ Large – 11" × 8½"

03 Once you've chosen the photos that you want to include in your book, you need to select the theme and size. Click on the **Book** icon and this window will appear. Pick the size and finish off the book you wish to order. Choose a theme, too, but take your time to select something that fits the photos' mood.

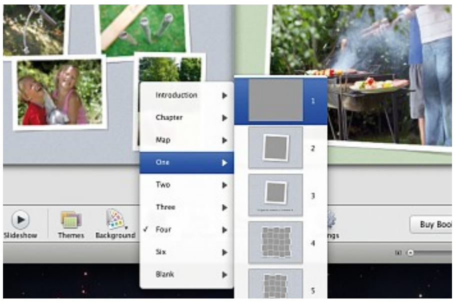
HOW TO / Place your photos


Our family photos
Happy Days

01 With your theme selected, *iPhoto* will present you with an empty cover design. Take your time to choose the right photo for the front page. There's a strip of photos at the top of the window that you can drag images from into the image placeholders.

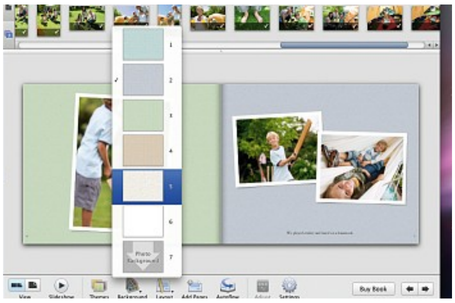

Our family photos
Happy Days

02 We've dragged a photo into the placeholder. Now to zoom in on the shot and reposition it so that the image makes more impact: double-click on the image and you'll see a slider appear. Use the slider to zoom in and then reposition using the **Hand** tool.

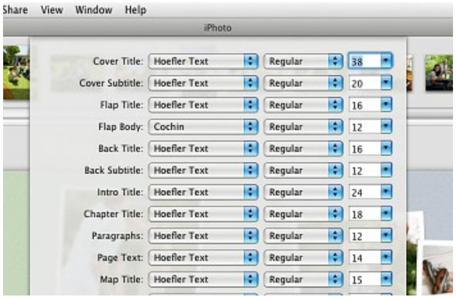

Introduction
Chapter
Map
One
Two
Three
Four
Six
Blank
Slideshow
Themes
Background
Buy Book

03 If you don't like the layout of a page then you can easily change it. Click on the page and then on the **Layout** icon beneath *iPhoto's* main window. Choose a layout style you prefer. You can also add pages for chapters and maps that use any geotags in your photos.

HOW TO / Make design changes

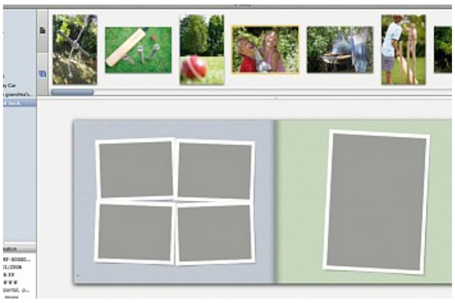


01 There are two other design factors you can alter: the background printed on each page and the font used in the book. To change the background, select it before clicking on the **Background** icon to display more. Pick one that complements your images' colours.


Share
View
Window
Help
iPhoto

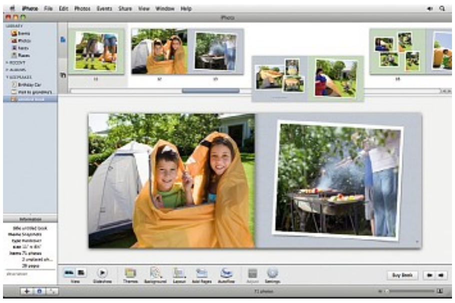
Cover Title:	Hoefler Text	Regular	38
Cover Subtitle:	Hoefler Text	Regular	20
Flap Title:	Hoefler Text	Regular	16
Flap Body:	Cochin	Regular	12
Back Title:	Hoefler Text	Regular	16
Back Subtitle:	Hoefler Text	Regular	12
Intro Title:	Hoefler Text	Regular	24
Chapter Title:	Hoefler Text	Regular	18
Paragraphs:	Hoefler Text	Regular	12
Page Text:	Hoefler Text	Regular	14
Map Title:	Hoefler Text	Regular	15

02 To change the fonts, click the **Settings** icon. The font settings will appear, but not in WYSIWYG format, so you'll need to experiment. You can alter the font size for each type of text. In this window are checkboxes to choose what to include in your font changes.

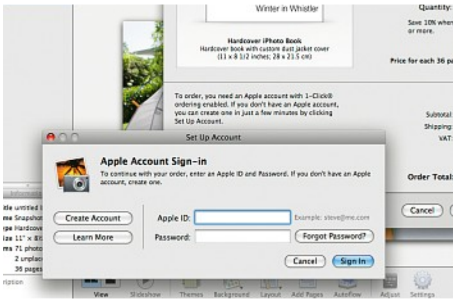


03 If you need more pages, click on the **Add Pages** icon. This adds a spread of pages for you to work with. Drag down more photos to fill the blank placeholders. *iPhoto* handily places a tick in the thumbnails of photos you've already used, but feel free to use them again.

HOW TO / Buy your book



01 So, you've changed layouts, altered backgrounds and fiddled with fonts. But before you finish your book, check the page order. If you want to change it, you can. Click on the page icon in the top strip of the window and drag pages around to change their order.


Winter in Whistler
Quantity:
Price for each 36 p
Subtotal:
Shipping:
VAT:
Order Total:
Cancel
Set Up Account
Create Account
Learn More
Forgot Password?
Cancel
Sign In
View
Slideshow
Themes
Background
Layout
Add Pages
Autoflow
Adjust
Settings

Hardcover iPhoto Book
Hardcover book with custom dust jacket cover
(11 x 8 1/2 inches; 28 x 21.5 cm)

Save 10% when
or more.

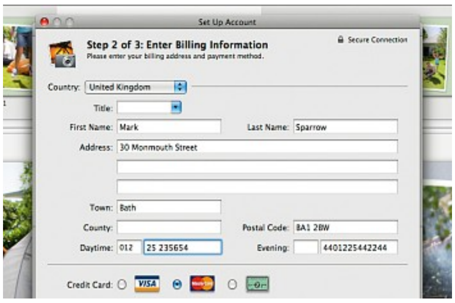
To order, you need an Apple account with 1-Click® ordering enabled. If you don't have an Apple account, you can create one in just a few minutes by clicking Set Up Account.

Apple Account Sign-in

To continue with your order, enter an Apple ID and Password. If you don't have an Apple account, create one.

Apple ID:
Example: steve@me.com
Password:

02 When you're done, place the order. Click **Buy Book** and create an account with Apple by clicking on the **Setup Account** button. If you already have a MobileMe or .Mac account, or you've bought from the iTunes Store, just use those details to order your book.


Set Up Account
Secure Connection

Step 2 of 3: Enter Billing Information
Please enter your billing address and payment method.

Country: United Kingdom
Title:
First Name: Mark
Last Name: Sparrow
Address: 30 Monmouth Street
Town: Bath
County:
Postal Code: BA1 2BW
Daytime: 012 25 235654
Evening: 4401225442244
Credit Card: ○ VISA ● MasterCard ○

03 Now to enter your payment details. Don't worry about security, as your card information will be sent by a highly encrypted method. Once the details have been lodged with Apple you won't have to enter them again. Now wait 10 days for the photo book to arrive! ●

Create iPhoto gifts

Turn your photos into handy and beautifully personal presents

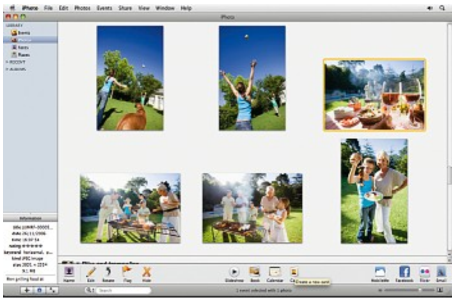
We've discussed creating photo books with *iPhoto*, but what if your budget is less generous or you'd like to make some small gifts for friends? For this, *iPhoto*'s calendar and card features are just perfect.

Creating a greetings card in *iPhoto* takes just a few clicks and there's an astonishing variety of designs available for almost every occasion. You could even use the feature to prepare wedding invitations or produce thank you cards for wedding gifts.

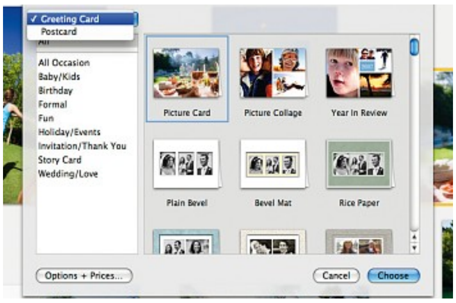
Another great gift idea is *iPhoto*'s calendar feature. Once again, there's a huge number of designs on offer and the great benefit of putting your photos on a calendar is that you can show off a lot more of your photography – and even match the seasons with your images. It's an ideal Christmas gift that lasts a whole year and one that you can get a head start on (and spread the cost of) by producing in advance.

Finally, a really inexpensive way to share photos is by ordering prints. There's a built-in print-ordering facility in *iPhoto*, but it doesn't appear in the toolbar automatically. If you want to add to the toolbar, go to the **View** menu and click on **Show in Toolbar**. Over the page, though, we test some competitor photo printing services, and we reckon *iPhoto*'s not the best quality or value available.

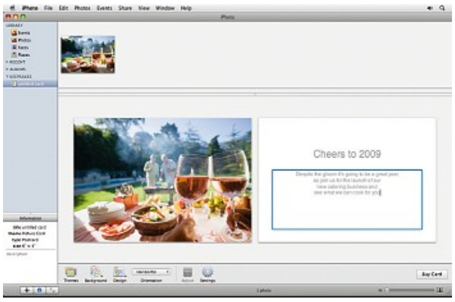
» HOW TO / Create cards and calendars



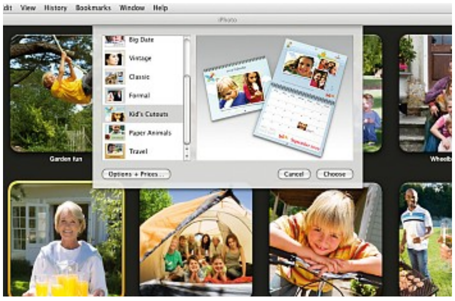
01 Choose the photo that you want to turn into a card. Images can be in portrait or landscape orientation and *iPhoto* will adjust itself accordingly. If you want, you can use the **Effects** palette in **Edit** mode to create, say, a white vignette for a Christmas card or a black-and-white shot for a wedding invitation. The choice is yours!


✓ Greeting Card
Postcard
All Occasion
Baby/Kids
Birthday
Formal
Fun
Holiday/Events
Invitation/Thank You
Story Card
Wedding/Love
Picture Card
Picture Collage
Year in Review
Plain Bevel
Bevel Mat
Rice Paper
Options + Prices...
Cancel
Choose

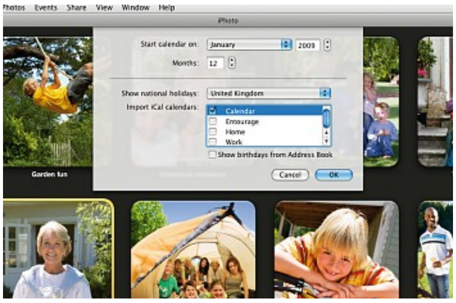
02 Click on the **Card** icon once you've selected your photo and choose a design. There are plenty to browse and if you want a postcard rather than the conventional card design, select **Postcard** from the drop-down menu that says **Greeting Card**. You can check out further options and the prices by clicking on **Options + Prices**.


Cheers to 2009
Buy Card

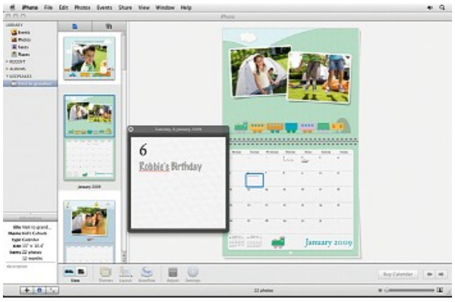
03 Here's how your card will look, and next to it is the space for you to type in your greeting. You can decide on the orientation of the card, make editing adjustments, alter the background and change the design at this stage. If you click on the **Settings** icon you can alter the font of the greeting to match the overall mood.


Big Date
Vintage
Classic
Formal
Kid's Cutouts
Paper Animals
Travel
Options + Prices...
Cancel
Choose
Garden fun

04 There's a similar procedure for the **Calendar** feature in *iPhoto* as for cards. You can choose an entire **Event** if you wish and then click on the **Calendar** icon to start building your keepsake. We'll pick some kids' photos from a day at Grandma's house and turn them into a special calendar. We've chosen the **Kid's Cutouts** theme.

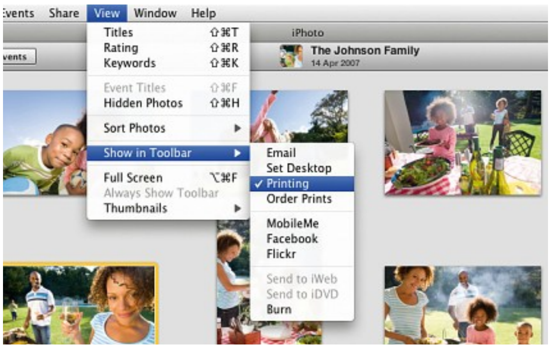

Start calendar on: January 2009
Months: 12
Show national holidays: United Kingdom
Import iCal calendars:
☑ Calendar
☐ Entourage
☐ Home
☐ Work
☐ Show birthdays from Address Book
Cancel
OK
Garden fun

05 Select your theme and then wait for the next window to appear. You can choose to start the calendar at any month in the year, which is handy for a school year or religious calendars with different year starts. If you want to include any dates from *iCal* or birthdays from Apple's *Address Book*, tick those options at this point.

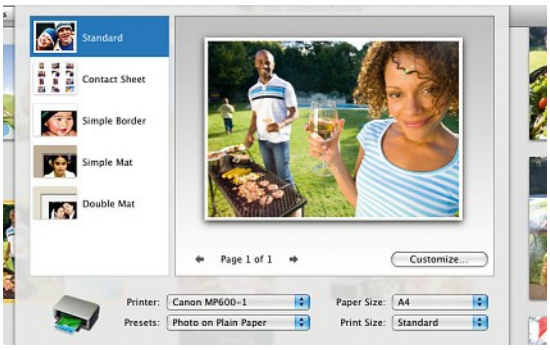

6
Robbie's Birthday
January 2009

06 Drag your photos into the placeholders or do what we did and click on the **Autoflow** icon to have *iPhoto* do it for you; it couldn't be easier. If you want to move any of the pictures around, then that's fine too – just drag and drop until you're happy. You can add things such as birthdays by double-clicking on a date square.

» HOW TO / Print with iPhoto

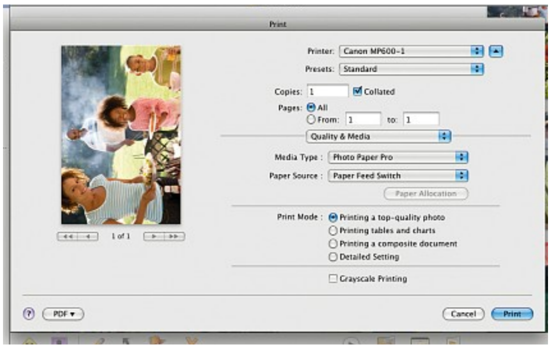

Events
Share
View
Window
Help
Titles
Rating
Keywords
Event Titles
Hidden Photos
Sort Photos
Show in Toolbar
Full Screen
Always Show Toolbar
Thumbnails
Email
Set Desktop
✓ Printing
Order Prints
MobileMe
Facebook
Flickr
Send to iWeb
Send to iDVD
Burn
iPhoto
The Johnson Family
14 Apr 2007

01 First of all, make sure that *iPhoto's* **Print** icon is visible in the toolbar by clicking on the **View** menu and then scrolling down to **Show in Toolbar** and ensuring that there's a tick next to the **Printing** choice. (You could also declutter the rest of the toolbar while you're there by removing the icons you don't need or rarely use, such as those for **Facebook**, **Flickr** or **MobileMe**.)


Standard
Contact Sheet
Simple Border
Simple Mat
Double Mat
Page 1 of 1
Customize...

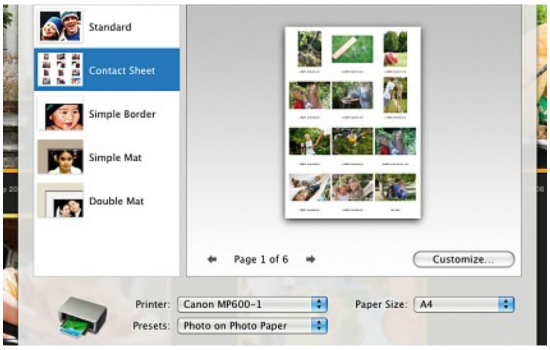
Printer: Canon MP600-1
Presets: Photo on Plain Paper
Paper Size: A4
Print Size: Standard

02 The next step is to select the photo or photos you want to print. Once you've done this, click on the **Print** icon. A new window opens up with five print styles on offer. We'll look at the **Standard** format first to show you how to make a basic print. You can select the printer you want to use, the paper type, paper size and print size all from this single window.


Print
1 of 1
PDF ▾
Cancel
Print
Paper Allocation

Printer: Canon MP600-1
Presets: Standard
Copies: 1 ☑ Collated
Pages: ● All
○ From: 1 to: 1
Quality & Media
Media Type : Photo Paper Pro
Paper Source : Paper Feed Switch
Print Mode : ● Printing a top-quality photo
○ Printing tables and charts
○ Printing a composite document
○ Detailed Setting
☐ Grayscale Printing

03 All of the settings for your printer will appear once you've clicked on the **Print** button. If you've chosen the basic settings in the first window, you won't need to make any changes, unless you want to alter paper handing or any special functions. You can check to see what your photo will look like by viewing the preview on the left-hand side of the window.


Standard
Contact Sheet
Simple Border
Simple Mat
Double Mat
Page 1 of 6
Customize...

Printer: Canon MP600-1
Presets: Photo on Photo Paper
Paper Size: A4

04 The second style on offer is the contact sheet. This is a great way of printing out proofs of your photos. Click on an entire **Event** or a series of photos and then choose **Contact Sheet**. You'll see a preview of your sheets appear. Click on the **Customize** button to tweak the appearance, so you can change the number of shots per page and the background colour.

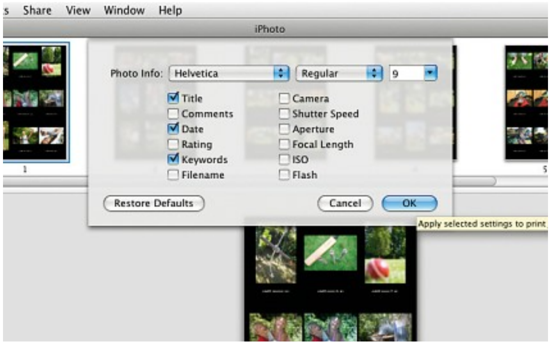
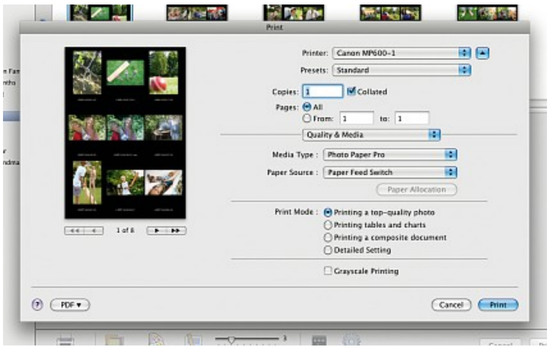

Share
View
Window
Help
iPhoto
Restore Defaults
Cancel
OK
Apply selected settings to print

Photo Info: Helvetica Regular 9
☑ Title ☐ Camera
☐ Comments ☐ Shutter Speed
☑ Date ☐ Aperture
☐ Rating ☐ Focal Length
☑ Keywords ☐ ISO
☐ Filename ☐ Flash

05 After you've clicked on **Customize** it's easy to alter the background colour of your contact sheets using the **Background** icon. The number of shots per page can be adjusted using the **Columns** slider, and you can also choose what data is printed beneath each of the shots – opt for camera data, filenames, dates or almost any other piece of EXIF data if you like.


Print
1 of 6
PDF ▾
Cancel
Print
Paper Allocation

Printer: Canon MP600-1
Presets: Standard
Copies: 1 ☑ Collated
Pages: ● All
○ From: 1 to: 1
Quality & Media
Media Type : Photo Paper Pro
Paper Source : Paper Feed Switch
Print Mode : ● Printing a top-quality photo
○ Printing tables and charts
○ Printing a composite document
○ Detailed Setting
☐ Grayscale Printing

06 Click on **Print** and you'll see this window appear. You can use the interactive preview on the left-hand side of the window to shuffle through each of your contact sheets (if you've created more than one) to see what they'll look like. These sheets are a great idea for producing proofs for weddings, parties or any other assignment with a large number of shots. ●

» EXPERT TIP

Today's colour printers are capable of producing stunning photographic prints. But with the high cost of ink and photo paper, many people shy away from home printing. *iPhoto* changes that by making printing easy and with reduced waste. Nothing beats the control it gives you over the process.

iPhoto makes it easy to produce prints at the size you want, on the size of paper you want.

You can also print handy contact sheets with *iPhoto*. The background colour, number of photos per page and titles can all be customised in seconds to create professional-looking proof sheets.

Other print formats enable you to put simple borders or mats around your photos to give them that stylish framed look. You choose the colour and width of the borders and *iPhoto* does the hard work compiling your settings and sizes.

» QUICK TIP

Always ensure that you use top-quality photo paper and inks recommended for your model of printer by the manufacturer. If you're tempted to use cheap paper or refillable ink cartridges, you're likely to produce poor-quality prints that will fade.

When it comes to providing excellent audio equipment:

Teufel

“TEUFEL DOESN‘T MESS AROUND!“**

TrustedReviews.com TR RECOMMENDED

7 good reasons for Teufel speakers

- Top-quality – best-in-test all across Europe
- Developed in our own sound lab in Berlin
- 30 years of experience
- Unbeatable value for money
- Excellent service plus an 8-week moneyback guarantee
- 12 years warranty on speakers, 2 years on electronic parts
- Only available from Teufel direct

only £184*

CONCEPT B 200 USB

Compact stereo for PC/Multimedia

- Compact stereo for PC/Multimedia
- Two slim speakers plus a 120 watt integrated amplifier
- Integrated USB soundcard
- Two inputs plus a USB hub
- Extremely natural playback quality

****trustedreviews.com, 10/2009:**
Design & Features: 9/10, Sound Quality: 10/10,
Value: 9/10, Overall: 10/10

*Converted price – Internet orders calculated in Euros incl. VAT

only £184*

CONCEPT C 200 USB

PC system with USB input – perfect stereo sound guaranteed!

- Excellent 2.1 multimedia sound USB interface for sound improvement
- Subwoofer with 200 watts amp and 200 mm bass speaker
- Two-way satellites with table stand
- Cable remote control for microphone and headphones

only £304*

CONCEPT E 400

The most impressive 5.1 multimedia set in the world

- Absolute top class 5.1 multimedia speakers
- Subwoofer with 500 watts maximum performance
- 300 mm bass speaker in bass reflex casing
- Five identical satellites with two-way technology
- Recommended for rooms up to 30 m²

only £331*

CONCEPT E 200 DIGITAL

Integrated solutions for home theatre and multimedia in your living room

- 5.1 Premium multimedia speakers
- Subwoofer with 300 watt performance
- 250 mm bass speaker in bass reflex casing
- Five identical satellites with high-performance drivers
- Recommended for rooms up to 20 m²

ORDER NOW!
SAVE 10%

CLICK: **TEUFEL.EU/UK**

CALL: **0049-30-30093039**

Teufel

"Easily recreate the ghostly effect you get with infrared film"

ESSENTIAL PHOTOSHOP FILM EFFECT SKILLS P52

Photoshop Elements
File
Edit
Image
Enhance
Layer
Select
Filter
View
Window
Help
Tue 10:54
MacFormat
EDIT
CREATE
SHARE
Full
Quick
Guided
Undo
Redo
d409-011.jpg @ 20.3% (Background copy, RGB/8*)
Effects
Layers
Normal
Opacity:
100%
Lock:
Background copy
Background
Show Project Bin
Palette Bin

In this issue...

PHOTOS

Create homemade infrared 52

MOVIES

Make advanced edits in iMovie 54
Stream movies with Air Video 56

MUSIC

Make smarter Smart Playlists 58

OFFICE

Work wonders with BusyCal 60

SYSTEM

Control cash flow via Numbers 62
Fix every Mac problem 64
Share files with other users 67

How to...

PHOTOS ● MOVIES ● MUSIC ● OFFICE ● SYSTEM

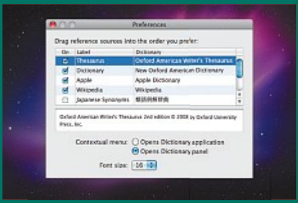
Christopher Phin
Deputy Editor

We've tried to keep it a secret for so long. After all, we have to maintain an air of mystique somehow. But sadly, on page 64, Chris Brennan finally reveals the one panacean troubleshooting tip known to all technology professionals. And it's explosive. Frankly, we're not sure whether Western civilisation will survive the revelation, but we decided to put our readers' edification above such bourgeois concerns. I suggest saving it till last.

Elsewhere, we've packed in tutorials to help you get the best from Apple's peerless *iLife* suite. I'm a big fan of **Smart Playlists**, so was delighted to read our guide to making them work for you on page 58, as well as how to use *Numbers*, part of the *iWork* suite, to help track your cash flow.

If you have a video collection on your Mac and want to watch it on your iPhone or iPod touch, turn to page 56 to read Ian Osborne's tutorial on streaming it wirelessly across your network.

And remember: if you think we haven't got the balance of subjects for our tutorials just right, drop us an email to let us know. Send it to **macformat@futurenet.com**!


Preferences

Drag reference sources into the order you prefer:

On	Label	Dictionary
☑	Thesaurus	Oxford American Writer's Thesaurus
☑	Dictionary	New Oxford American Dictionary
☑	Apple	Apple Dictionary
☑	Wikipedia	Wikipedia
☐	Japanese Synonyms	[illegible]

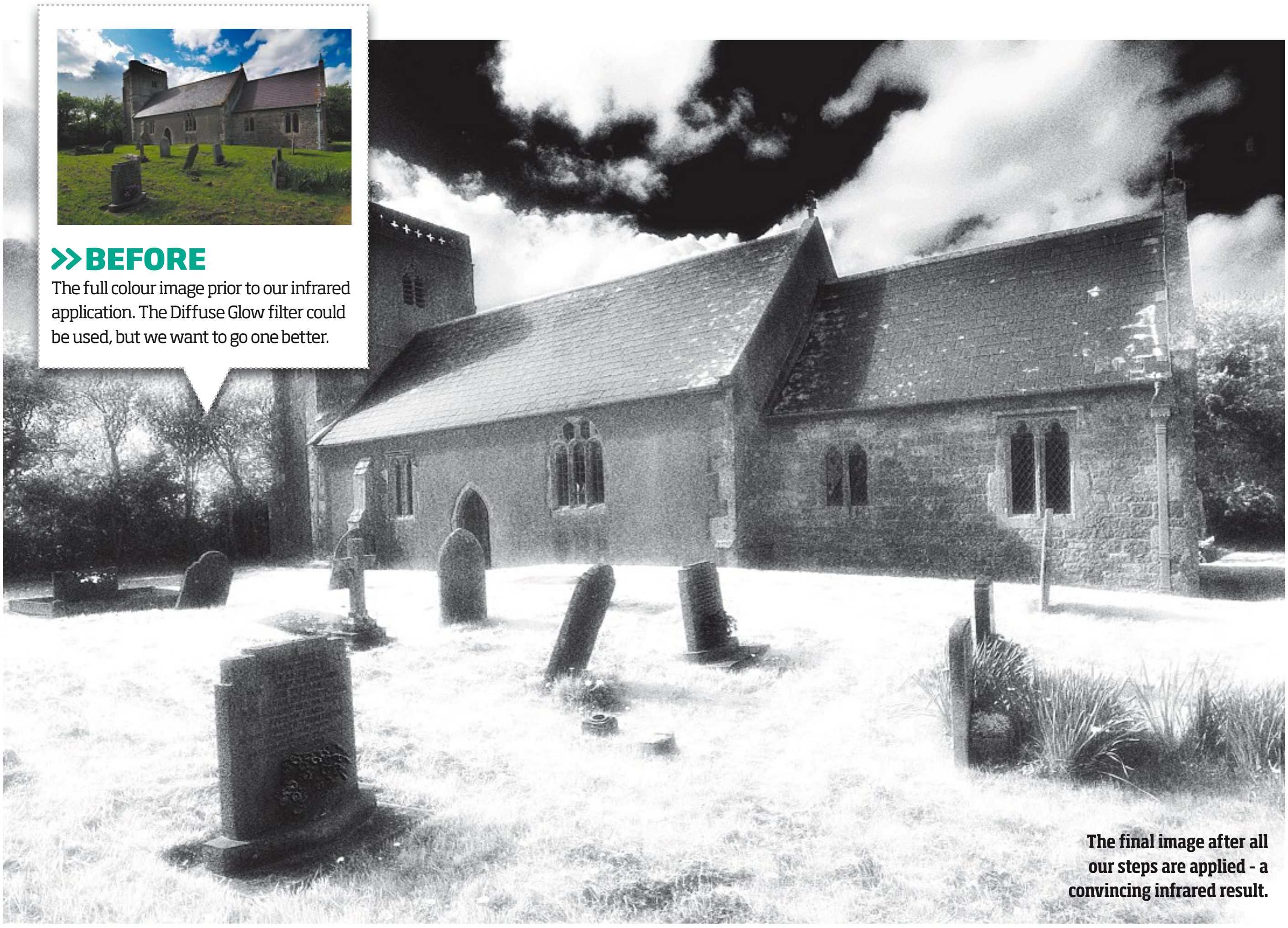
Oxford American Writer's Thesaurus 2nd edition © 2008 by Oxford University Press, Inc.

Contextual menu: ○ Opens Dictionary application
● Opens Dictionary panel

Font size: 16

>> DID YOU KNOW?

If, like me, you'd like to have synonyms pop up rather than definitions in the **Dictionary** panel, open *Dictionary* then drag **Thesaurus** to the first position.



>>BEFORE
The full colour image prior to our infrared application. The Diffuse Glow filter could be used, but we want to go one better.

The final image after all our steps are applied - a convincing infrared result.

Create homemade infrared

Black-and-white infrared effects work best when you cook them up yourself…

>>KEY INFO

DIFFICULTY: Intermediate

TIME NEEDED: 30 minutes

WHAT YOU'LL NEED:
Adobe Photoshop or Elements

There's a wonderful, ethereal quality about black-and-white infrared film that's led lots of photographers to try to reproduce it digitally. Indeed, many programs come with infrared filter effects, some of which get close to the look of the original. The nearest equivalent in *Photoshop* and *Elements* is the **Diffuse Glow** filter.

But it is possible to improve on these manually by using a bit of scientific analysis. By figuring out how a certain effect comes about, it's often possible to recreate it more effectively in *Photoshop*.

There are three particular characteristics of black-and-white infrared film that stand out: the distortion of tones, so that blue skies come out black and foliage is almost white; the hazy glow around highlights; and the strong grain.

In theory, it's not possible to duplicate the spectral response of infrared film using a conventional colour image because the sensor hasn't captured the right part of the spectrum. In practice, though, by heavily manipulating the way the colours are converted, you can get pretty close. We'll find out how.

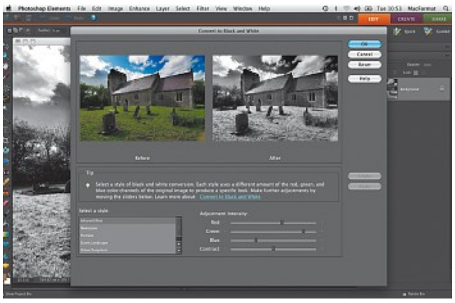
> *"By figuring out how a certain effect comes about, it's often possible to recreate it more effectively"*

The glow around highlights is caused by the degree of halation (light spreading) in the original infrared film emulsion, and that's the next thing we attempt to simulate.

The final characteristic, strong grain, is quite difficult to achieve subtly. On its own, *Photoshop*'s **Noise** filter is too crude, but it can be improved with a couple of extra steps. The only step of the process that might prove tricky for *Elements* owners is the first. The **Convert to Black and White** dialog in version 6 requires the channel mixer tools, but earlier versions don't. It's still worth trying out the process though, since you get that hazy infrared 'glow' even without the tonal manipulation.

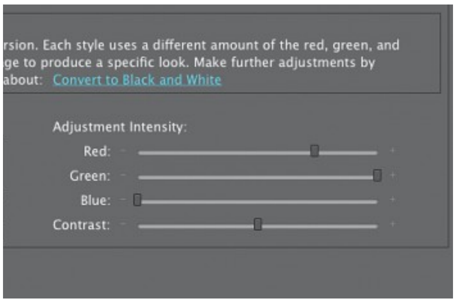
Rod Lawton

HOW TO / Create an infrared effect


Convert to Black and White
Before
After
OK
Cancel
Reset
Help

01 Turn black and white

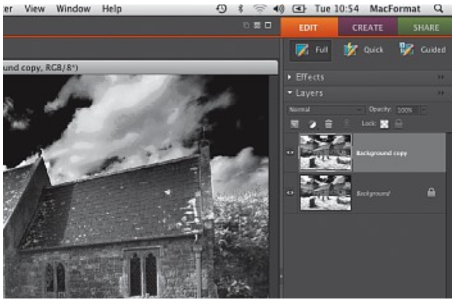
The secret of infrared conversions is to juggle the way colours are converted into shades of grey. That's easy enough with the **Channel Mixer** in *Photoshop*, but from version 6 you can do it in *Elements* too, using the **Convert to Black and White** dialog.


rsion. Each style uses a different amount of the red, green, and
ge to produce a specific look. Make further adjustments by
about: Convert to Black and White

Adjustment Intensity:
Red:
Green:
Blue:
Contrast:

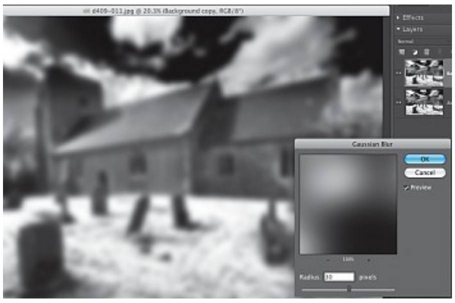
02 Manual channel mixing

First, push the **blue** slider to the far left: infrared film isn't sensitive to blue light so we want blue areas in the photo to come out dark. Next, push the **green** slider all the way to the right. Finally, push the **red** slider to the right until the brightness looks more or less right.


View Window Help
Tue 10:54 MacFormat
EDIT
CREATE
SHARE
Full
Quick
Guided
und copy, RGB/8*)
Effects
Layers
Background copy
Background

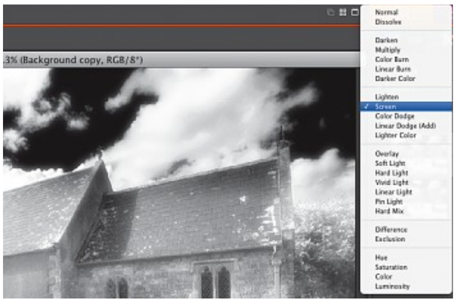
03 Duplicate the layer

Now for the 'glow' effect around highlights. *Photoshop's* **Diffuse Glow** filter is one way to do it, but there's another way that's easier to modify. Duplicate the image layer by dragging its icon onto the **New Layer** button on the **Layers** palette.


d409-011.jpg @ 20.3% (Background copy, RGB/8*)
Effects
Layers
Gaussian Blur
OK
Cancel
Preview
100%
Radius: 10 pixels

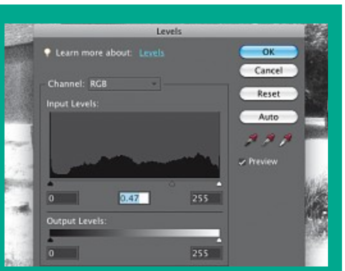
04 Apply a Gaussian Blur

The purpose of this layer is simply to provide the glow around the highlights, so what we're after here is a soft illumination effect. Apply a **Gaussian Blur**. The amount will depend on the resolution of the image and how strong an effect you want.


3% (Background copy, RGB/8*)
Normal
Dissolve
Darken
Multiply
Color Burn
Linear Burn
Darker Color
Lighten
Screen
Color Dodge
Linear Dodge (Add)
Lighter Color
Overlay
Soft Light
Hard Light
Vivid Light
Linear Light
Pin Light
Hard Mix
Difference
Exclusion
Hue
Saturation
Color
Luminosity

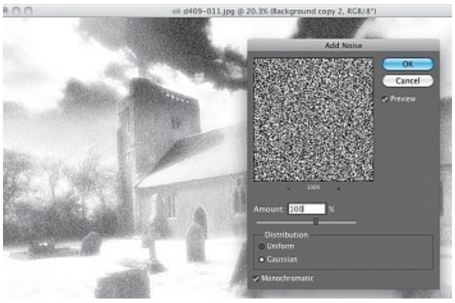
05 Swap to Screen mode

Now to swap the **Blend** mode of this blurred layer to **Screen** mode. Only the lighter parts of the layer affect the one below – the brighter the highlights in the blurred layer, the stronger their glow effect, while the middle and darker tones have no effect at all.


Levels
Learn more about: Levels
Channel: RGB
Input Levels:
0
0.47
255
Output Levels:
0
255
OK
Cancel
Reset
Auto
Preview

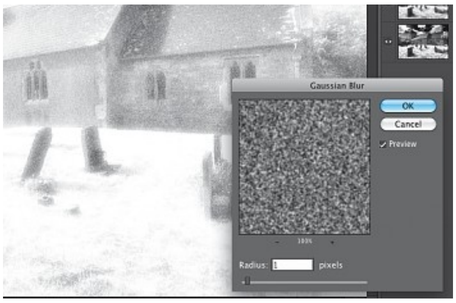
QUICK TIP

If the grain effect is too strong, reduce the opacity of the grain layer created in steps 6-8. If the glow layer created in steps 3-5 lightens the image too much, adjust the layer's levels, moving the middle (gray point) slider to the right.


d409-011.jpg @ 20.3% (Background copy 2, RGB/8*)
Add Noise
OK
Cancel
Preview
100%
Amount: 100 %
Distribution
Uniform
Gaussian
Monochromatic

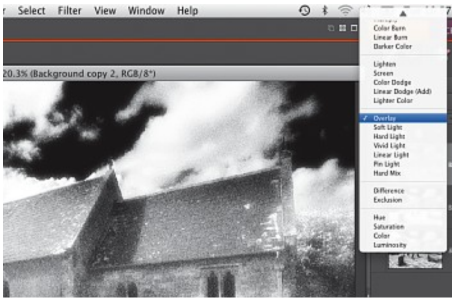
06 Better grain

The other characteristic of black-and-white infrared is its strong grain pattern. The **Noise** filter adds grain, but alone it produces a pretty artificial-looking effect. Now, duplicate any one layer and apply 100% **Monochromatic Noise** with **Gaussian Distribution**.


Gaussian Blur
OK
Cancel
Preview
100%
Radius: 1 pixels

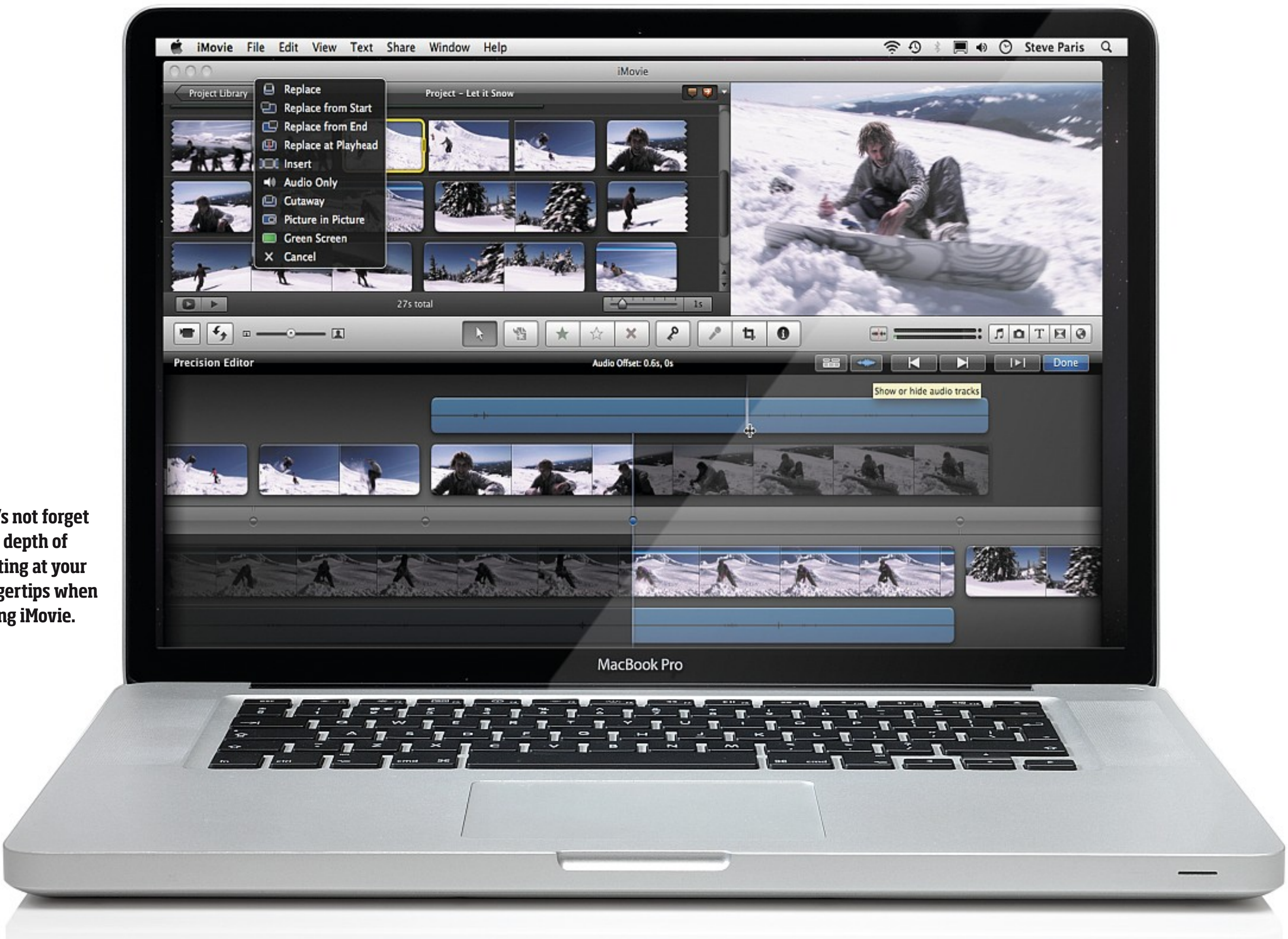
07 Making it softer

Now for the first part of our grain fix. Real grain has a soft look under magnification, whereas the **Noise** filter produces very hard, pixellated grain. The solution is simple. Apply a **Gaussian Blur** to the noise layer just created. A value of 1 pixel is about right.


Select Filter View Window Help
20.3% (Background copy 2, RGB/8*)
Color Burn
Linear Burn
Darker Color
Lighten
Screen
Color Dodge
Linear Dodge (Add)
Lighter Color
Overlay
Soft Light
Hard Light
Vivid Light
Linear Light
Pin Light
Hard Mix
Difference
Exclusion
Hue
Saturation
Color
Luminosity

08 Blending it in

Now to blend the grain in so that it looks like an integral part of the image. The **Overlay Blend** mode is the quickest way to achieve this realistically. It's not perfect but it's close enough. (The last three steps are an effective way to add grain to any image, not just infrared!) ●


iMovie File Edit View Text Share Window Help
Steve Paris
iMovie
Project Library
Project – Let it Snow
Replace
Replace from Start
Replace from End
Replace at Playhead
Insert
Audio Only
Cutaway
Picture in Picture
Green Screen
Cancel
27s total
Precision Editor
Audio Offset: 0.6s, 0s
Done
Show or hide audio tracks
MacBook Pro

Let's not forget the depth of editing at your fingertips when using iMovie.

Make advanced edits in iMovie

Looking more closely at the various editing tools available to you in iMovie '09

>> KEY INFO

DIFFICULTY: Intermediate

TIME NEEDED: 30 minutes

WHAT YOU'LL NEED:
iMovie '09 version 8.0.4 or later, footage already located in Events or stored in iPhoto, a basic understanding of how iMovie works

Over the past few issues, we've covered many of the new features of *iMovie '09*, such as chapter markers, how to do a picture-in-picture effect and how to stabilise your footage, to name but three. However, we've forgotten the main reason for *iMovie's* existence: to give people a program that will enable them to edit their home movies quickly and easily.

iMovie '09 not only brought many features that had been dropped from the previous release, but it also included powerful tools that can be used to cut video. On the face of it, when working in *iMovie*, it all looks pretty straightforward: choose an Event and select a clip you'd like to use. You can either click on it to select four seconds of it by default, or drag on the chosen video to create a dynamic selection. Release the mouse once you've taken everything you need out of that clip. Then, drag the selection onto your project and repeat the procedure for all the other clips you'd like to include.

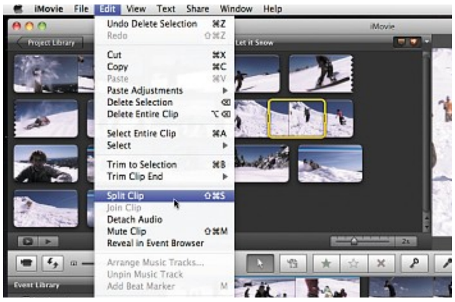
Reordering clips in your project is just as simple: click on one to select it and then drag it to a new location. A green line will show you where the clip will end up once you let go of the mouse. It's that easy.

> *"What if you want to cut to another clip but want to keep the first clip's audio so that it runs over the second?"*

This is all fine for basic editing, but what do you do if you want a little bit more flexibility? What if, for instance, you want to add a clip in the middle of an existing one? What if you want to cut to another clip but want to keep the first clip's audio so that it runs over the second one? What if one of your clips' video is appalling but the audio is exactly what you need – how can you only add the selected sound to your project?

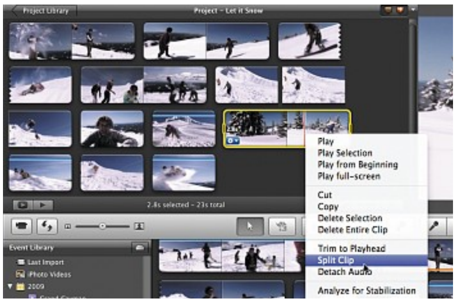
You'll be pleased to know that all these techniques are possible and we'll be showing you how to do these more advanced edits on the opposite page.
Steve Paris

HOW TO / Split, seam and edit your clips


iMovie File Edit View Text Share Window Help
Undo Delete Selection ⌘Z
Redo ⇧⌘Z
Cut ⌘X
Copy ⌘C
Paste ⌘V
Paste Adjustments
Delete Selection
Delete Entire Clip
Select Entire Clip ⌘A
Select
Trim to Selection ⌘B
Trim Clip End
Split Clip ⇧⌘S
Join Clip
Detach Audio
Mute Clip ⇧⌘M
Reveal in Event Browser
Arrange Music Tracks...
Unpin Music Track
Add Beat Marker
Project Library
Let it Snow
Event Library

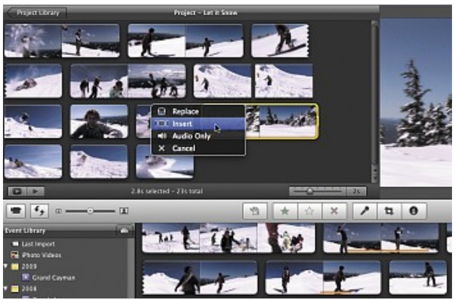
01 Highlighting a split

Open an existing project or create one from scratch. To cut one of your clips so you can insert some footage in between two frames, highlight a selection by clicking and dragging within the clip then go to Edit > Split Clip. You can use this method to cut a clip into threes.


Project Library
Project – Let it Snow
Play
Play Selection
Play from Beginning
Play full-screen
Cut
Copy
Delete Selection
Delete Entire Clip
Trim to Playhead
Split Clip
Detach Audio
Analyze for Stabilization
2.8s selected – 23s total
Event Library
Last Import
iPhoto Videos
2009

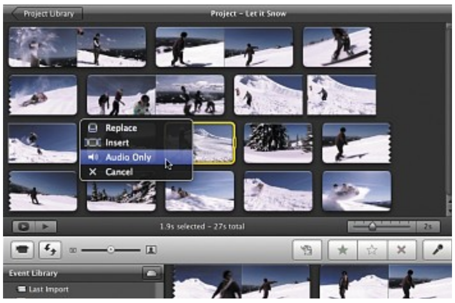
02 Playhead splitting

Should you only need to split a clip into two, simply mouse over your project until the playhead is exactly over the frame you wish to use to cut your clip. Use the keyboard shortcut ⇧+⌘+S. You can then insert another in between or delete an unwanted segment.


Project Library
Project – Let it Snow
Replace
Insert
Audio Only
Cancel
2.8s selected – 23s total
Event Library
Last Import
iPhoto Videos
2009
Grand Cayman
2008

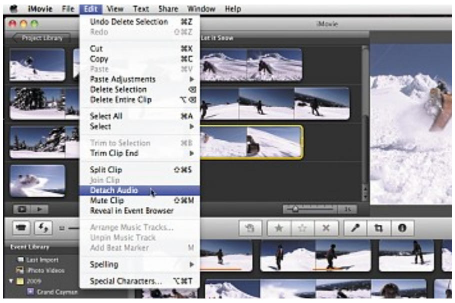
03 Splitting menu

But what if you've begun to drag some footage from an event prior to splitting the existing clip? Just drop the new clip at the exact place you wish to insert it and release the mouse button. A menu pops up. Select **Insert** and *iMovie* will split the clip for you.


Project Library
Project – Let it Snow
Replace
Insert
Audio Only
Cancel
1.9s selected – 27s total
Event Library
Last Import

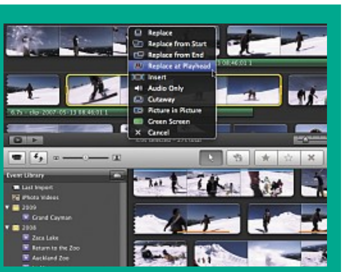
04 Unwanted video

There's a solution in the menu to using a clip's audio while discarding its video: drop such footage over a clip in your project and select **Audio Only**. A green audio banner will appear beneath the clip, which you can then drag along until you've placed it in its ideal location.


iMovie File Edit View Text Share Window Help
Undo Delete Selection ⌘Z
Redo ⇧⌘Z
Cut ⌘X
Copy ⌘C
Paste ⌘V
Paste Adjustments
Delete Selection
Delete Entire Clip
Select All ⌘A
Select
Trim to Selection ⌘B
Trim Clip End
Split Clip ⇧⌘S
Join Clip
Detach Audio
Mute Clip ⇧⌘M
Reveal in Event Browser
Arrange Music Tracks...
Unpin Music Track
Add Beat Marker
Spelling
Special Characters... ⌥⌘T
Project Library
Let it Snow
Event Library
Last Import
iPhoto Videos
2009
Grand Cayman

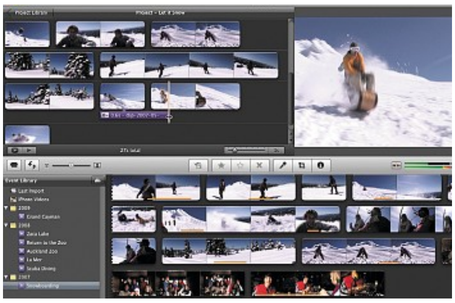
05 Detaching sound

In order to keep your clip's audio going over another bit of footage, do the following: First, select the first clip and go to Edit > Detach Audio. The sound is extracted from the clip and placed beneath it in a purple banner. The clip's own embedded audio is muted automatically.


Replace
Replace from Start
Replace from End
Replace at Playhead
Insert
Audio Only
Cutaway
Picture in Picture
Green Screen
Cancel
Event Library
Last Import
iPhoto Videos
2009
Grand Cayman
2008
Zaca Lake
Return to the Zoo
Auckland Zoo

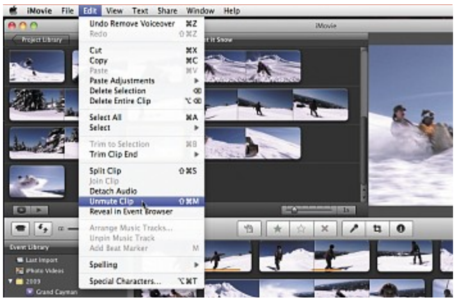
QUICK TIP

If you want to replace part of a clip with another, just go to the **Preferences** and switch the **Advanced Tools** on, then drag a new clip over an existing one - you'll now be presented with multiple **Replace** options.


Project Library
Project – Let it Snow
27s total
Event Library
Last Import
iPhoto Videos
2009
Grand Cayman
2008
Zaca Lake
Return to the Zoo
Auckland Zoo
La Mer
Scuba Diving
2007
Snowboarding

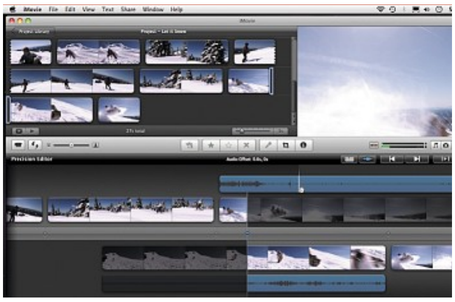
06 Audible extension

Extending the audio is easy: mouse over to its end for your cursor to turn into a resize tool. You can then drag your audio until it stretches over the next clip. Make sure not to move the banner itself, otherwise you'll get 'out of sync' issues. Save by going to Edit > Undo.


iMovie File Edit View Text Share Window Help
Undo Remove Voiceover ⌘Z
Redo ⇧⌘Z
Cut ⌘X
Copy ⌘C
Paste ⌘V
Paste Adjustments
Delete Selection
Delete Entire Clip
Select All ⌘A
Select
Trim to Selection ⌘B
Trim Clip End
Split Clip ⇧⌘S
Join Clip
Detach Audio
Unmute Clip ⇧⌘M
Reveal in Event Browser
Arrange Music Tracks...
Unpin Music Track
Add Beat Marker
Spelling
Special Characters... ⌥⌘T
Project Library
Let it Snow
Event Library
Last Import
iPhoto Videos
2009
Grand Cayman

07 Unmuting clips

Double-click the next clip to reveal the **Inspector** window. Select the **Audio** tab and drag the volume to 0%. A more precise method is to delete the extracted audio, select the first clip and go to Edit > Unmute Clip. Click its cog wheel button and choose **Precision Editor**.


iMovie File Edit View Text Share Window Help
Project Library
Project – Let it Snow
27s total
Precision Editor

08 Precision editing

Click the **Show or Hide Audio Tracks** button to see the audio and its waveform. Next, mouse over to where the blue vertical line intersects the first audio. This changes your cursor into a resize tool. Drag to the right to extend the first clip's audio into the second. ●

Stream Movies with Air Video

The easy way to stream your video footage from your Mac to your iPhone

>> KEY INFO

DIFFICULTY: Beginner

TIME NEEDED: 15 minutes

WHAT YOU'LL NEED: An Apple Mac running OS X 10.5.6 or later (Intel or PPC, but Intel Core 2 duo or equivalent recommended), iPhone or iPod touch with firmware 3.0 or later

Air Video is a great way to stream video footage from your Mac to your iPhone or iPod touch. With the *Air Video* server software running on your Mac, you can run the iPhone application and navigate to a video of your choice that's stored on your computer's hard drive, and stream it wirelessly for viewing on your handheld device.

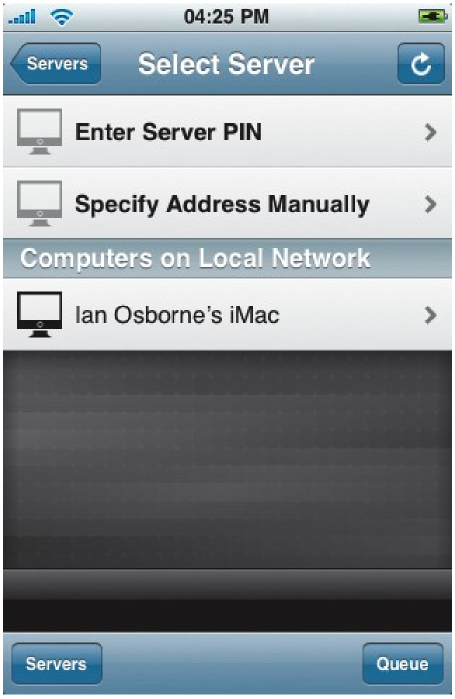
First go to **www.inmethod.com**, and download the server software. Launch the application, and use the **Add Disk Folder** button to choose the folders you wish to define as shared with *Air Video*, and also *iTunes* playlists containing movies. When using your iPod or iPhone, you can navigate forwards from shared folders but not backwards, so as well as your main movie folders, you should define your hard drive and any connected external drives as shared to give access to everything on them. We recommend you also go to **Settings** and tick **Start at Login**, so the server software is launched as a startup item. You can password-protect your *Air Video* server from the **Settings** menu too, if you wish.

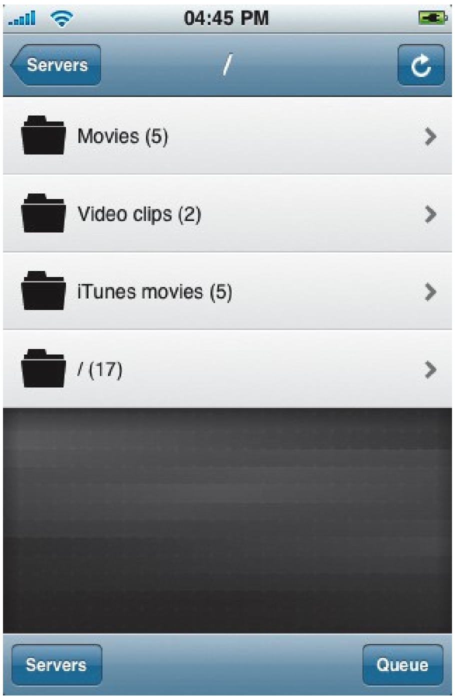
> *"Navigate to a video of your choice and stream it wirelessly for viewing on your handheld device"*

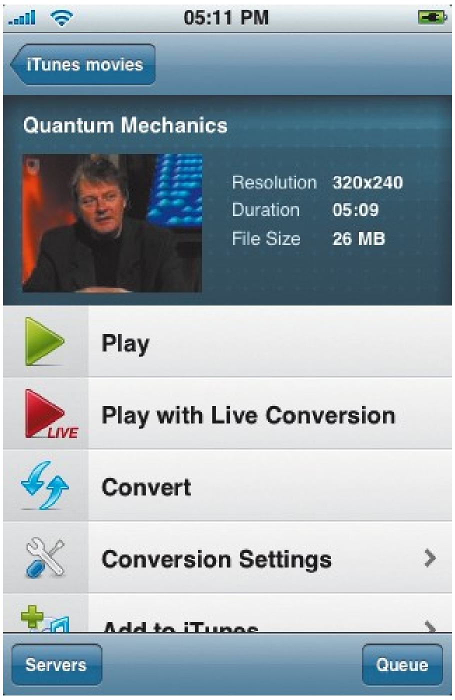
To stream your videos onto your iPhone or iPod touch, first download the *Air Video* application from the iTunes Store. There's a free version that only allows access to a few items per folder, and an unrestricted version for £1.79. Run the application and follow the steps below to stream your videos from your local Mac. If you want to stream over the internet as well, there's a great step-by-step guide at **www.tinyurl.com/ylkpkmr**.

Ian Osborne

>> HOW TO / Stream videos to your iPhone or iPod touch


04:25 PM
Servers
Select Server
Enter Server PIN
Specify Address Manually
Computers on Local Network
Ian Osborne's iMac
Servers
Queue


04:45 PM
Servers
/
Movies (5)
Video clips (2)
iTunes movies (5)
/ (17)
Servers
Queue


05:11 PM
iTunes movies
Quantum Mechanics
Play
Play with Live Conversion
LIVE
Convert
Conversion Settings
Add to iTunes
Servers
Queue

Resolution 320x240
Duration 05:09
File Size 26 MB

01 Select server

Launch the app and press + to list all Macs within range running the server software. Select your Mac to add it to the **Servers** list, then select it from this list to browse the shared folders. If needed, type your password when prompted.

02 Finding your video

You can now navigate through the folders you defined as shared to find your video of choice. Folders within these folders can be opened, and if you defined your hard drives as shared, you can navigate your entire Mac – useful for videos that aren't in a shared folder.

03 Playing your video

If the movie or clip you wish to watch is in a format that can be played on your iPhone or iPod touch, it can be streamed live. If not, you can convert it on the fly (if your Mac's fast enough) or prepare it for streaming. You can add converted video to *iTunes* if you wish. ●

1st MONTH FREE
LIMITED TIME OFFER

All NEW Dedicated Servers

More Power, Speed & Flexibility from only £59pm

Our all-new range of high performance dedicated servers give you full server control with leading hardware specifications – now **FREE for the first month!**

NEW **100Mbps connectivity**
Each server now has 10x faster connectivity for unparalled speeds!

NEW **Intel® Quad Core Xeon® processors**
Ultimate reliability, power and performance with the revolutionary Xeon® processor.

NEW **RAID mirroring**
Hard drive redundancy ensures you'll never lose important data.

NEW **Operating systems**
Choose from Windows 2008, Red Hat Enterprise, CentOS, Ubuntu and more!

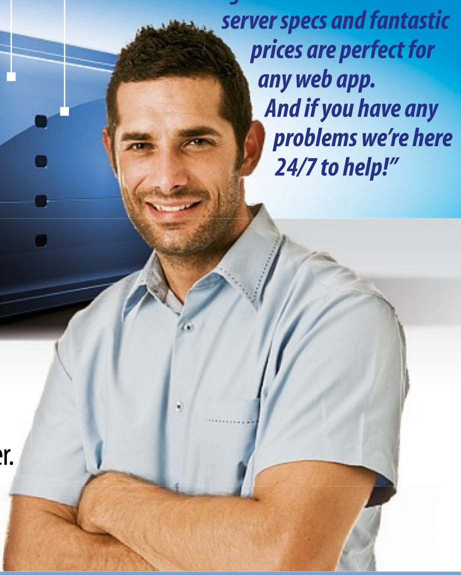
Unlimited bandwidth
Never pay another bandwidth bill.

Remote KVM access
Full keyboard, video and mouse control of your server.

NEW **Plesk 9 with Powerpack**
User-friendly server control panel.

NEW **Up to 16GB RAM**
Our fastest hardware yet, with up to 16GB RAM.

fasthosts
World Class Web Hosting
192.168.121.121
SYSYTEM STATUS 100%
intel
Xeon
inside
intel
Intel Xeon processor



"Our great dedicated server specs and fantastic prices are perfect for any web app. And if you have any problems we're here 24/7 to help!"

Microsoft® WebsiteSpark™
Web Developers and Design companies – get **FREE** licenses and software for your new dedicated server.
Call **0844 583 0769** today for details

Instant setup • Unlimited bandwidth • 24/7 UK phone & email support

1st MONTH FREE

Call us now on:
0844 583 0742
www.fasthosts.co.uk/servers

© 2009 All rights reserved. Fasthosts and the Fasthosts logo are trademarks of Fasthosts Internet Ltd
Product and program specifications, availability and pricing subject to change without notice.
Offer and prices valid at time of print.

fasthosts™
World Class Dedicated Servers

Make smarter Smart Playlists

Master one of iTunes 9's best-kept secrets and power-up your playlists

>> KEY INFO

DIFFICULTY: Intermediate

TIME NEEDED: 15 minutes

WHAT YOU'LL NEED: iTunes 9, a number of tracks by several different bands that you've rated

Way back in *iTunes 3*, Apple added a revolutionary new feature to its digital jukebox – a type of virtual folder called a Smart Playlist. From that point on, instead of you having to manually make a playlist by dragging and dropping dozens of tracks to it, you could let your Mac do the hard work. All you have to do is set up a few basic rules and the Smart Playlist will automatically populate, and an optional **Live updating** checkbox also enables it to keep track of and integrate relevant changes to your **iTunes Library**.

Although not suitable as a replacement for every standard playlist, Smart Playlists are great for things like auto-populating an iPod shuffle, automatically listing your favourite tracks by rating, or finding out which tracks you've added or played recently.

The major shortcoming with Smart Playlists has been their restriction regarding multiple rules. The results always had to match any or all of your criteria. In other words, you could use the **all** match setting to create a playlist of Elvis tracks you've rated five out of five and played within the last month, or you could use the **any** setting to create a playlist listing Elvis tracks as well as all your tracks rated five and all your tracks played within the last month. But you couldn't create a playlist of Elvis tracks that you've rated five or played within the last month.

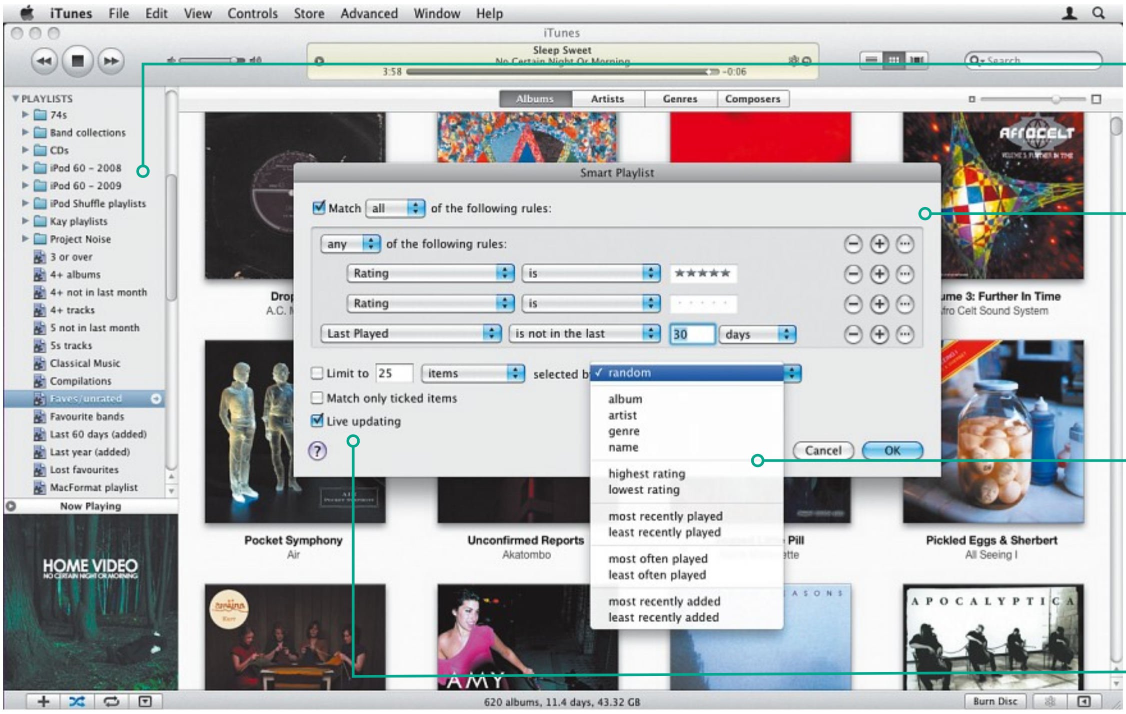
> *"Smart Playlists are great for things like finding out which tracks you've added or played recently"*

A workaround *iTunes* that power users have devised is to base a Smart Playlist on other playlists. This builds complex results lists, but it can be hard to keep track of what rules are where, and all those playlists clutter up the *iTunes* sidebar. With *iTunes 9*, however, nested rules are finally a reality. You can create playlists with logical rule structures like 'A and (B or C)'; in fact, *iTunes 9* is so flexible in this regard that you can nest rule sets up to five levels deep.

For the tutorial, you'll create a Smart Playlist that will list tracks from a selection of favourite bands. The tracks listed will have a rating greater than three stars (to find your favourites) or be those not played for six months (in case a poorly rated track now appeals), but will avoid tracks rated one star (something rubbish is always rubbish).

Craig Grannell

>> HOW TO / Find your way around Smart Playlists


iTunes File Edit View Controls Store Advanced Window Help
iTunes
Sleep Sweet
No Certain Night Or Morning
3:58
-0:06
Search
Albums
Artists
Genres
Composers
PLAYLISTS
74s
Band collections
CDs
iPod 60 – 2008
iPod 60 – 2009
iPod Shuffle playlists
Kay playlists
Project Noise
3 or over
4+ albums
4+ not in last month
4+ tracks
5 not in last month
5s tracks
Classical Music
Compilations
Faves/unrated
Favourite bands
Last 60 days (added)
Last year (added)
Lost favourites
MacFormat playlist
Now Playing
HOME VIDEO
NO CERTAIN NIGHT OR MORNING
Drop
A.C.
Pocket Symphony
Air
Unconfirmed Reports
Akatombo
Pill
Pickled Eggs & Sherbert
All Seeing I
ume 3: Further In Time
fro Celt Sound System
AFROCELT
AMY
APOCALYPTICA
random
album
artist
genre
name
highest rating
lowest rating
most recently played
least recently played
most often played
least often played
most recently added
least recently added
Cancel
OK
620 albums, 11.4 days, 43.32 GB
Burn Disc

Smart Playlist

☑ Match all of the following rules:

any of the following rules:

Rating is ★★★★★

Rating is

Last Played is not in the last 30 days

☐ Limit to 25 items selected by ✓ random

☐ Match only ticked items

☑ Live updating

The sidebar

Smart Playlists live in the **Playlists** sidebar, between folders and standard playlists.

Dialog box

Rules can be built in the **Smart Playlist** dialog box.

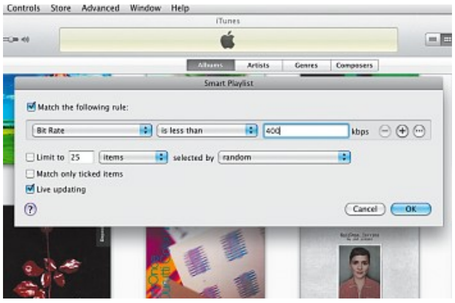
Limiting playlists

The **Limit** option can restrict playlists to a specific item count.

Live updating

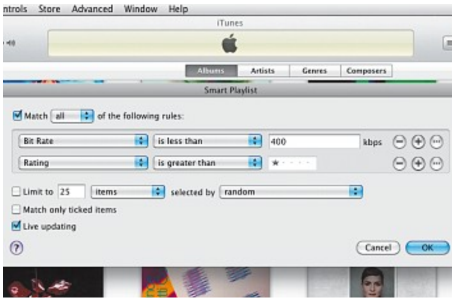
Check **Live updating** and your Smart Playlist becomes dynamic.

HOW TO / Create a customised Smart Playlist


☑ Match the following rule:
Bit Rate | is less than | 400 kbps
☐ Limit to 25 items selected by random
☐ Match only ticked items
☑ Live updating

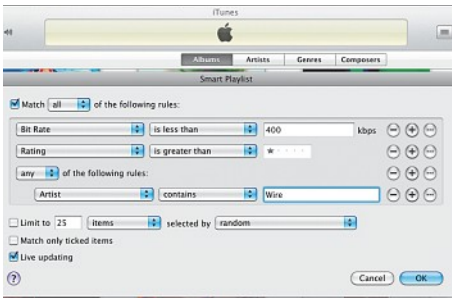
01 Create a Smart Playlist

Go to File > New Smart Playlist (or press ⌘+⌥+N). Choose **Bit Rate** and **is less than** from the first rule's menus and type **400** in the text field. This restricts the results list to low bit-rate files such as MP3s and AACs, yet regardless of the file format.


☑ Match all of the following rules:
Bit Rate | is less than | 400 kbps
Rating | is greater than | ★
☐ Limit to 25 items selected by random
☐ Match only ticked items
☑ Live updating

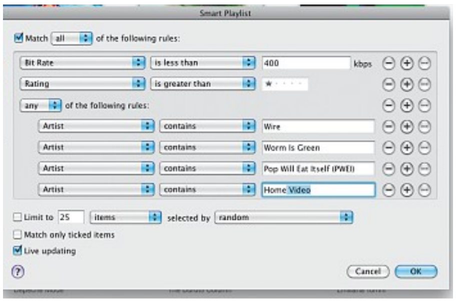
02 Remove low-rated tracks

Omit tracks with one-star ratings from the results by adding a second rule. Do this by clicking the + button to the right of the rule from step 1. Set the menus to **Rating** and **is greater than** and click the first star. Note the setting here to match all rules and rule sets.


☑ Match all of the following rules:
Bit Rate | is less than | 400 kbps
Rating | is greater than | ★
any of the following rules:
Artist | contains | Wire
☐ Limit to 25 items selected by random
☐ Match only ticked items
☑ Live updating

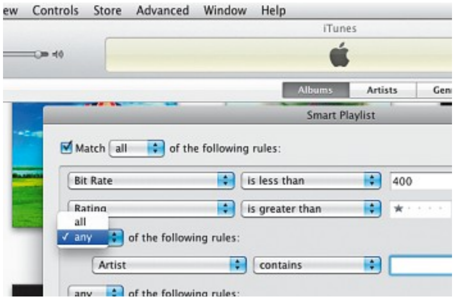
03 Create a nested rule set

You'll now create your first nested rule set. Do this by clicking the **ellipsis** button (...) to the right of a rule. This first set will include a list of artists you'd like to show up in the results list, so set the nested set's match menu to **any** and type an artist's name in the text field.


☑ Match all of the following rules:
Bit Rate | is less than | 400 kbps
Rating | is greater than | ★
any of the following rules:
Artist | contains | Wire
Artist | contains | Worm Is Green
Artist | contains | Pop Will Eat Itself (PWEI)
Artist | contains | Home Video
☐ Limit to 25 items selected by random
☐ Match only ticked items
☑ Live updating

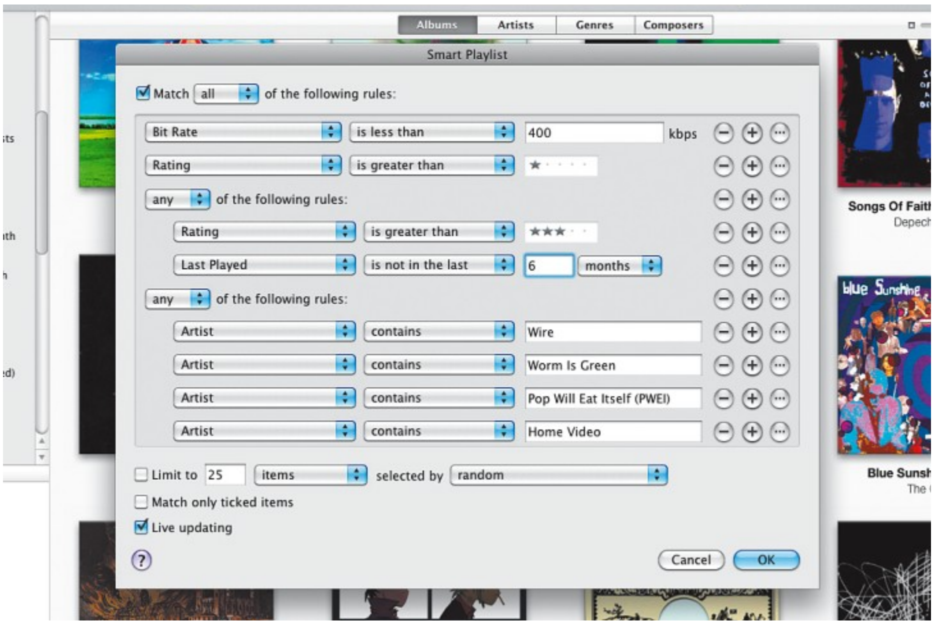
04 Add more artists

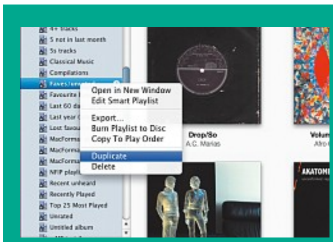
Add further artists to this nested rule set; for each, click the + button to the right of an existing rule within the nested set and fill in the artist name. If you want to remove a rule, click the - button to its right, but be aware that there's no undo in the **Smart Playlist** dialog.


☑ Match all of the following rules:
Bit Rate | is less than | 400
Rating | is greater than | ★
any of the following rules:
Artist | contains
any of the following rules:

05 Create a second set

To create another nested set, click the **ellipsis** button of the rule above the existing nested set. (If you click it at any point within the set, even on its last item, you'll create a nested rule set within the existing one.) Ensure the new nested match menu is set to **any**.


☑ Match all of the following rules:
Bit Rate | is less than | 400 kbps
Rating | is greater than | ★
any of the following rules:
Rating | is greater than | ★★★
Last Played | is not in the last | 6 months
any of the following rules:
Artist | contains | Wire
Artist | contains | Worm Is Green
Artist | contains | Pop Will Eat Itself (PWEI)
Artist | contains | Home Video
☐ Limit to 25 items selected by random
☐ Match only ticked items
☑ Live updating



QUICK TIP

If you want to experiment with a Smart Playlist, but worry about messing up settings, create a copy to play around with. To do this, ctrl-click your chosen playlist and select **Duplicate**. A copy will be made and be selected for you to start editing.

06 Add some more rules

For the playlist to be mostly populated with high-rated tracks, set the first rule's settings to: **Rating**, **is greater than** and three stars. To also add tracks that haven't been played for six months, regardless of rating, have a second rule's settings as: **Last Played**, **is not in the last**, **6 months**. Click **OK**. In the *iTunes* sidebar, name your playlist. In the main viewing area, you should now see tracks from your defined artists, and they'll either be tracks rated higher than three stars or those you've not played during the past six months, with the exception of anything rated one star. By playing with nested Smart Playlists you can create increasingly elaborate lists of tracks. ●

Work wonders with BusyCal

A new standard for Mac calendars

» KEY INFO

DIFFICULTY:
Beginner

TIME NEEDED:
30 minutes

WHAT YOU'LL NEED:
BusyCal ($40 from **www.busycal.com**, trial on the cover disc), some Events and To Dos, internet access for online calendars

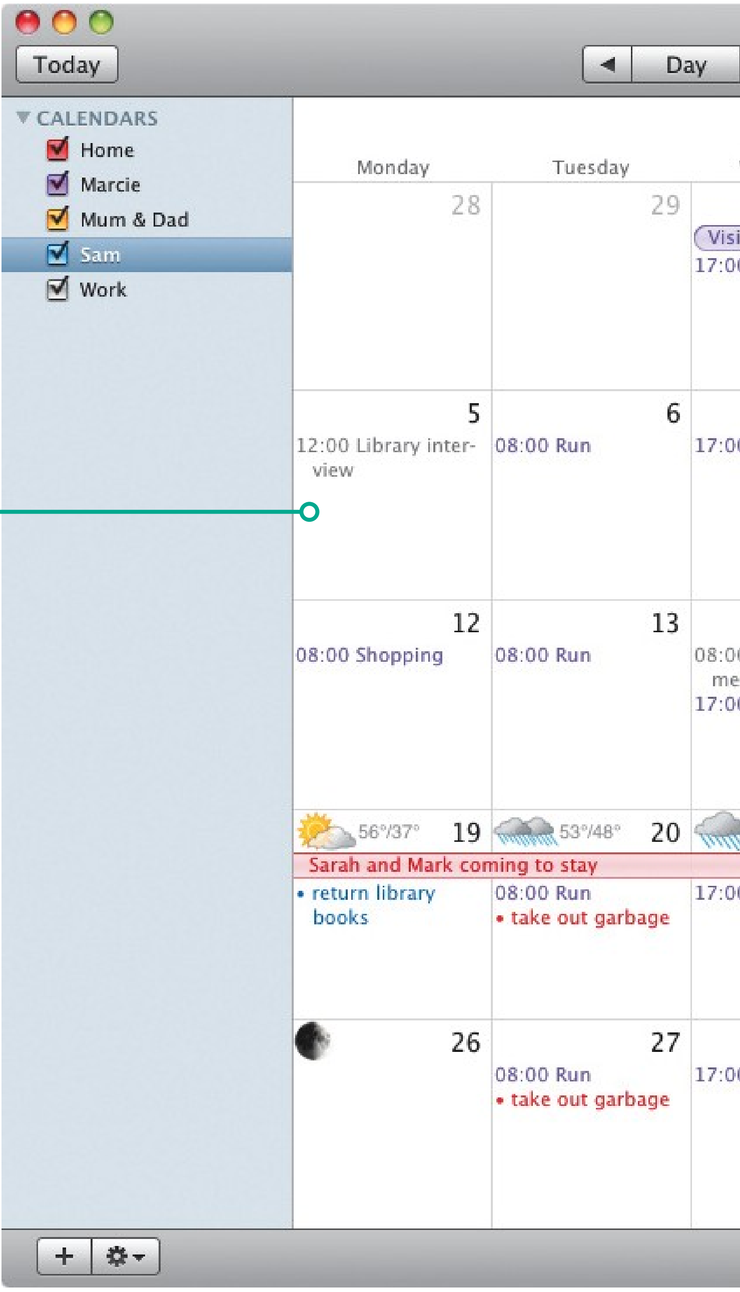
There's no doubting *iCal* is a great calendar – it's the envy of users of other operating systems and a model for the designers of several online calendars. It combines simplicity with power and great looks, and with a MobileMe account, you can view and edit your calendar from any computer with web access, from your iPhone, and even keep remote Macs' copies of *iCal* in perfect sync. Why would anybody want a new calendar application? *BusyCal* provides a number of good answers – here we'll walk you through a few of the app's best features.
Ian Tromp

What's different here?

At first glance, *BusyCal* looks very much like *iCal* – almost identical layout, aside from a few slightly different buttons, bigger default fonts, and a 3D-ish display of multi-day Events. But then you'll notice there are some useful built-in additions: display of weather conditions (set your postcode in **Preferences**), moon phases if you want to know them, and even images and Sticky notes to attach to your calendar.

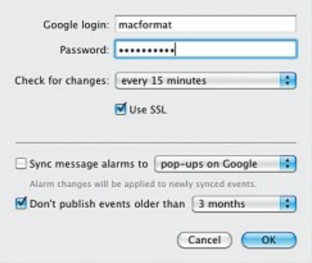
What's to be done?

In *iCal*, To Do items are displayed in a right-hand panel that can be hidden. *BusyCal* shows your To Dos (at least those with due dates) in the calendar itself, so they're visible alongside any appointments you have scheduled. And a particularly nice feature is that you can set any uncompleted To Dos to carry forward to the next day.


Today
Day
CALENDARS
Home
Marcie
Mum & Dad
Sam
Work
Monday
Tuesday
28
29
Visi
17:0
5
6
12:00 Library interview
08:00 Run
17:0
12
13
08:00 Shopping
08:00 Run
08:0
me
17:0
56°/37°
19
53°/48°
20
Sarah and Mark coming to stay
• return library books
08:00 Run
• take out garbage
17:0
26
27
08:00 Run
• take out garbage
17:0
+

An easy switchover

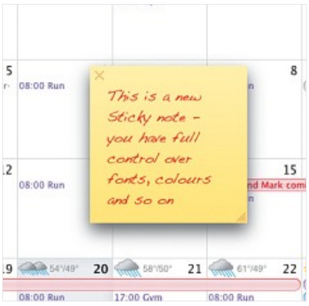
BusyCal uses OS X's Sync Services, the underlying system that synchronises your *iCal* data to your iPhone, iPod, or MobileMe account. This means that it shares information directly and automatically with *iCal*. The first time you open *BusySync*, it will instantly import all your *iCal* information – your Events and To Dos – so you can be up and running in moments.



Google login: macformat
Password: ••••••••••
Check for changes: every 15 minutes
☑ Use SSL
☐ Sync message alarms to pop-ups on Google
Alarm changes will be applied to newly synced events.
☑ Don't publish events older than 3 months
Cancel OK

Seamless syncing

You can get similar results to Sync Services by syncing with Google Calendar (which now also offers syncing to iPhones). Just click on **Calendar** in the menu bar, then select **Connect to Google Calendar...** You can also sync *BusyCal* with other Macs on your local network, via *Bonjour*, or over the internet.

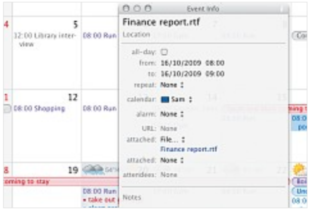


This is a new Sticky note - you have full control over fonts, colours and so on

5
8
08:00 Run
12
15
08:00 Run
nd Mark com
19
54°/49°
20
58°/50°
21
61°/49°
22
08:00 Run
17:00 Gym
08:00 Run

Clever Sticky notes

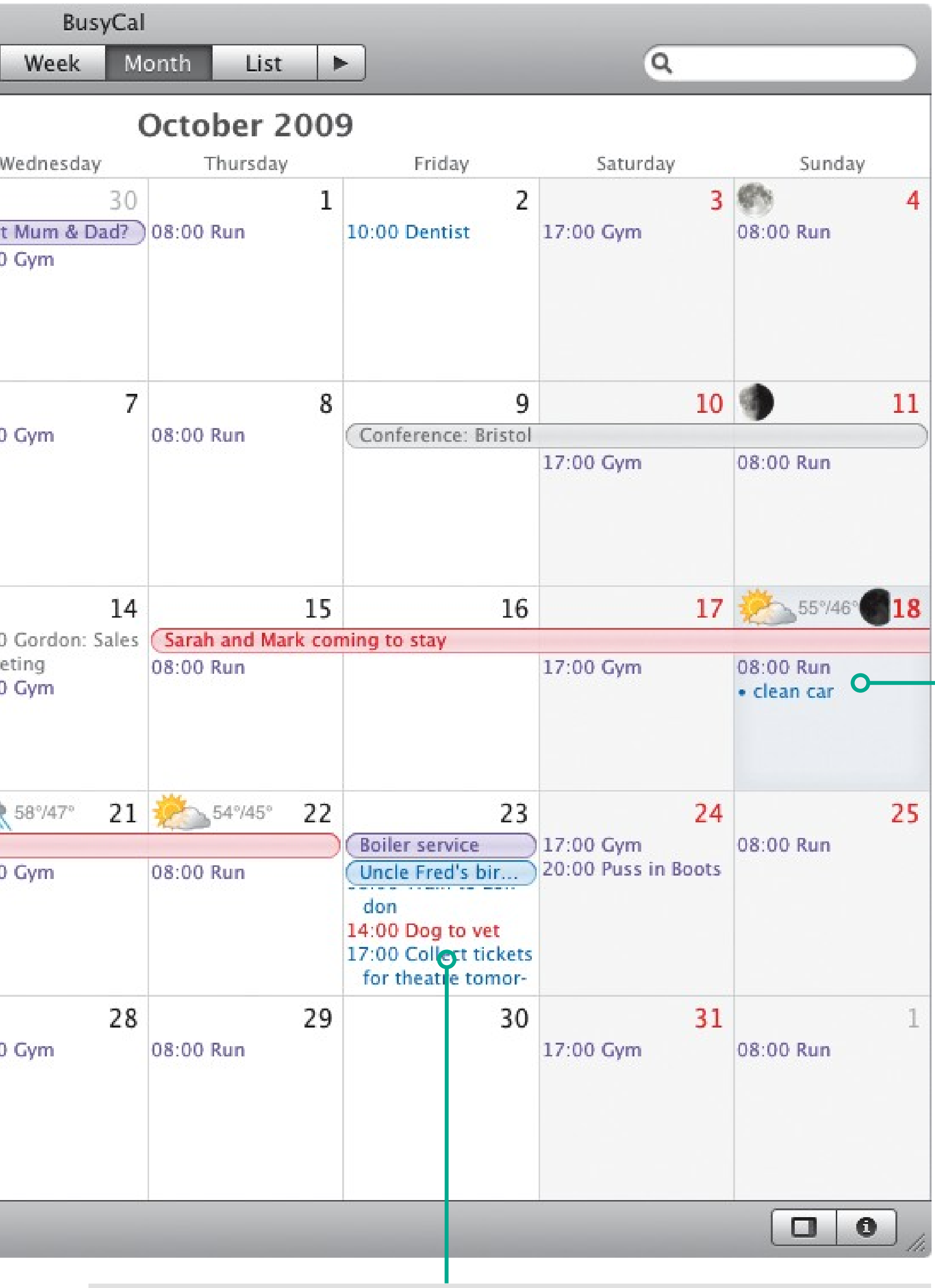
Hit ⌘+Y and you'll add a new Sticky note to your calendar. You can type whatever you want into a Sticky and set up styles based on the current Sticky. Click the **X** at the top-left of the Sticky, and you'll see it shrink into the top bar of the selected day.



Event Info
Finance report.rtf
Location
all-day: ☐
from: 16/10/2009 08:00
to: 16/10/2009 09:00
repeat: None
calendar: Sam
alarm: None
URL: None
attached: File...
Finance report.rtf
attached: None
attendees: None
Notes

A very rich calendar

You can drag many different kinds of files directly into your calendar. For example, drag a document you need to read on a particular date into the calendar, and *BusyCal* makes a new Event with the name of the file – when the time comes, just double-click the Event (or select it and hit ⌥+⌘+I to open the **Info** panel).

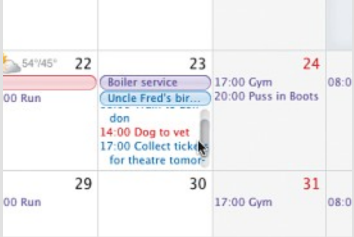


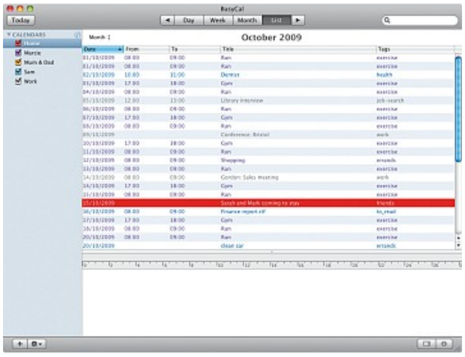
October 2009

Wednesday	Thursday	Friday	Saturday	Sunday
30 t Mum & Dad? 0 Gym	1 08:00 Run	2 10:00 Dentist	3 17:00 Gym	4 08:00 Run
7 0 Gym	8 08:00 Run	9 Conference: Bristol	10 17:00 Gym	11 08:00 Run
14 0 Gordon: Sales eting 0 Gym	15 Sarah and Mark coming to stay 08:00 Run	16	17 17:00 Gym	55°/46° 18 08:00 Run • clean car
58°/47° 21 0 Gym	54°/45° 22 08:00 Run	23 Boiler service Uncle Fred's bir... don 14:00 Dog to vet 17:00 Collect tickets for theatre tomor-	24 17:00 Gym 20:00 Puss in Boots	25 08:00 Run
28 0 Gym	29 08:00 Run	30	31 17:00 Gym	1 08:00 Run

Little things that matter

If you have a busy day planned, then *iCal's* Month view isn't much use to you. Rather than splitting the list of Events into columns, *BusyCal* maintains a single vertical column of Events and gives you a scroll bar when you mouse over that busy day, so you can view the list of Events and easily read each one.





Lists and Tags

You can also display your calendar in **List View**, which lets you see (and print) a text list of your various engagements. You're able to filter the list by any of various headings, including **Tags**, which are a nice addition to a calendar – useful if, say, you have a range of different activities all connected with a particular project: even if your engagements are tracked in separate calendars, you can still keep track of them with a shared tag. Project management has never been so easy.

Share and share alike

Just as in *iCal*, you can email Events by right-clicking them and then selecting **Mail Event...**, which will open a new message in *Mail* with the Event attached in a form that your addressee can double-click to add to his or her calendar. You can also email Sticky notes to other *BusyCal* users (right-click your Sticky and select **Mail Sticky...**) – this could quickly make a family or group's shared calendar not only useful, but good fun.

KEYBOARD SHORTCUTS

File menu shortcuts

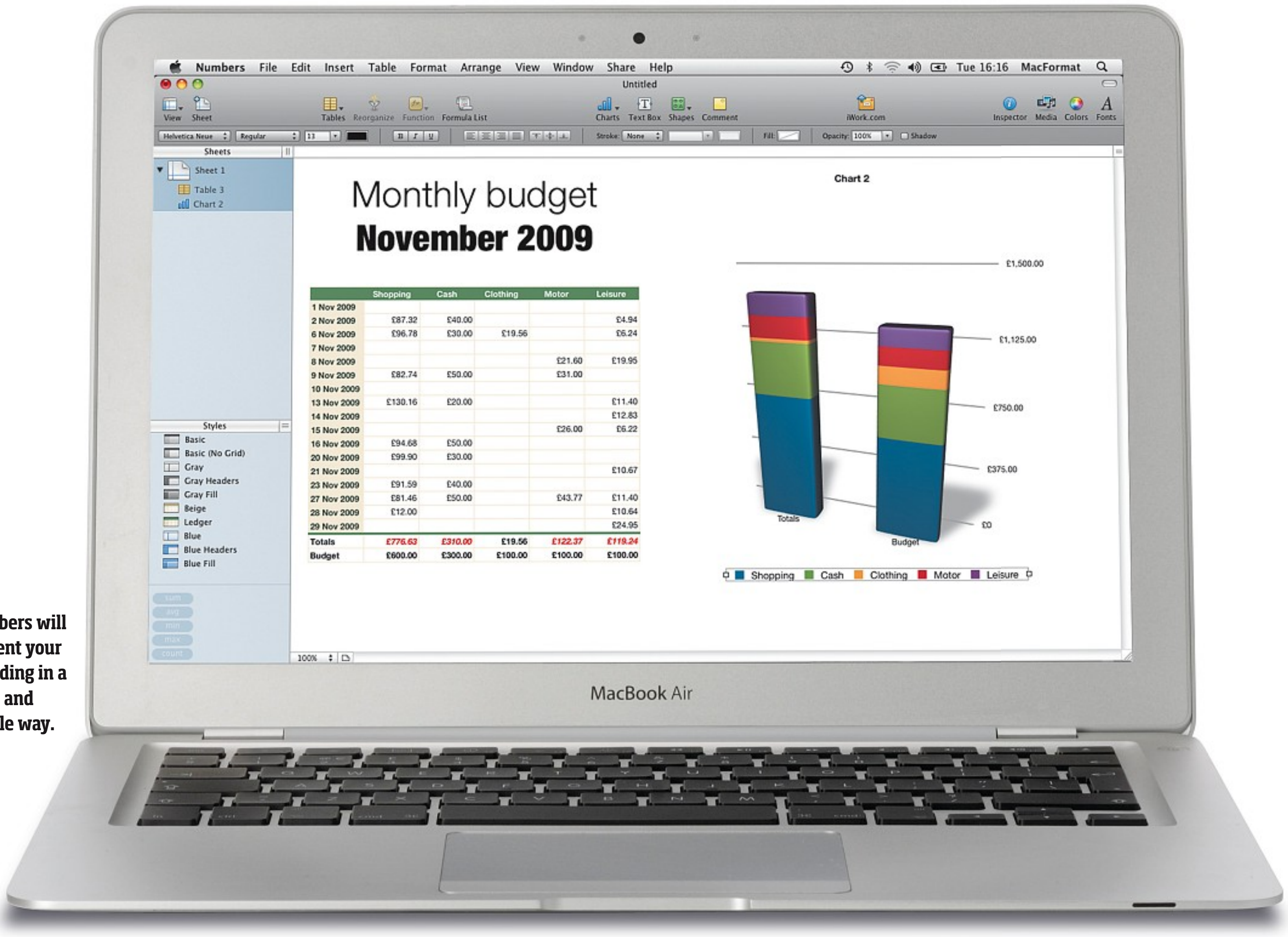
⌘ + B	New Banner
⌘ + Y	New Sticky
⌘ + J	New Journal
⌘ + I	Get Info (on selected Event/To Do)

Calendar menu shortcuts

⌘ + ⇧ + Y	Sync now

View menu shortcuts

⌘ + 1	Day view
⌘ + 2	Week view
⌘ + 3	Month view
⌘ + 4	List view
⌘ +	Previous
⌘ +	Next
⌘ + ⇧ + T	Go to Date...
⌘ + ⌥ + T	Show/hide To Do list
⌘ + ⌥ + I	Show/hide Information panel


Numbers File Edit Insert Table Format Arrange View Window Share Help
Tue 16:16 MacFormat
Untitled
Sheets
Sheet 1
Table 3
Chart 2
Styles
Basic
Basic (No Grid)
Gray
Gray Headers
Gray Fill
Beige
Ledger
Blue
Blue Headers
Blue Fill
Chart 2
£1,500.00
£1,125.00
£750.00
£375.00
£0
Totals
Budget
Shopping
Cash
Clothing
Motor
Leisure
MacBook Air

Monthly budget
November 2009

	Shopping	Cash	Clothing	Motor	Leisure
1 Nov 2009					
2 Nov 2009	£87.32	£40.00			£4.94
6 Nov 2009	£96.78	£30.00	£19.56		£6.24
7 Nov 2009					
8 Nov 2009				£21.60	£19.95
9 Nov 2009	£82.74	£50.00		£31.00	
10 Nov 2009					
13 Nov 2009	£130.16	£20.00			£11.40
14 Nov 2009					£12.83
15 Nov 2009				£26.00	£6.22
16 Nov 2009	£94.68	£50.00			
20 Nov 2009	£99.90	£30.00			
21 Nov 2009					£10.67
23 Nov 2009	£91.59	£40.00			
27 Nov 2009	£81.46	£50.00		£43.77	£11.40
28 Nov 2009	£12.00				£10.64
29 Nov 2009					£24.95
Totals	*£776.63*	*£310.00*	£19.56	*£122.37*	*£119.24*
Budget	£600.00	£300.00	£100.00	£100.00	£100.00

Numbers will present your spending in a clear and simple way.

Control cash flow with Numbers

If you need to see where your money is going, Numbers is just what you need

>> KEY INFO

DIFFICULTY: Intermediate

TIME NEEDED: 60 minutes

WHAT YOU'LL NEED:
Numbers (£69, part of iWork '09 **http://store.apple.com/uk/**)

When you want to pay attention to where your cash is going, a nifty spreadsheet app like *Numbers* is the obvious tool to use.

What you've got to be wary of, though, is creating a visually unfathomable wall of data, or producing a complex structure of formulas that, a week later, you can't recall how you created.

There are many tried and tested ways of presenting this kind of data, which are simple and foolproof. The data itself can be stored neatly in a table that breaks it down by date (rows) and columns (categories) in a standard accounting ledger or cashbook format. It's deliberately simple and presents an array of data that enables easy subtotalling. (If you wish, you can conjure up something far more sophisticated using lists and filters and pop-up menus, but the chances of anyone else understanding what you've done are slim.)

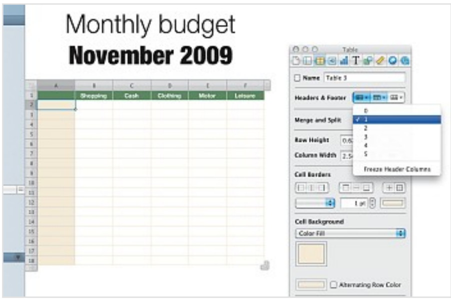
Next, you can use the Headers and Footer tools to create subtotals at the bottom of each column – and not just one header or footer, but up to five of them. We're going to use this ability to build in some basic budgeting tools to help work out where the money's going and where the spending needs to be reined in.

> *"Budgeting tools work out where the money's going and where the spending needs to be reined in"*

To make the data more visually accessible, we're going to use the perfect tool – a chart. We'll also use another device that is conditional formatting. Conditional formatting works by checking a condition (whether the value in the cell is above or below a certain figure, say) and then changing the formatting of the cell if needed (this could be the text colour or the background colour, perhaps). The example we've used here highlights overspending in red, but you could choose to highlight underspending in green, for instance.

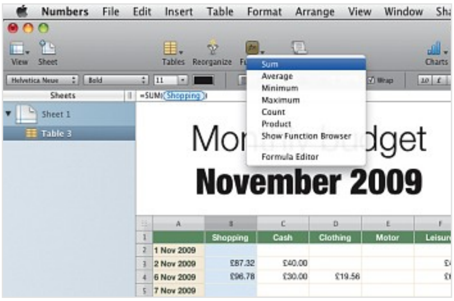
Rod Lawton

HOW TO / Use Numbers for budgeting


Monthly budget
November 2009

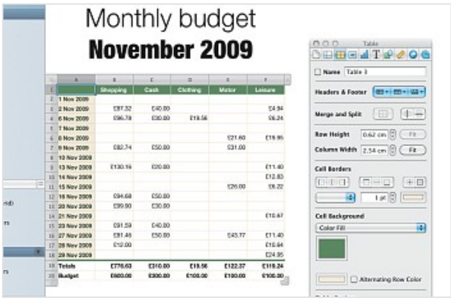
01 Add headers and footers

There is a range of table styles to choose from. We've chosen **Ledger**. This already has a header row to type in expense categories, but we need a header column for dates, and a footer row for totals. These can be added with the **Headers** and **Footer** pop-ups on the **Table Inspector**.


Numbers
File
Edit
Insert
Table
Format
Arrange
View
Window
Sum
Average
Minimum
Maximum
Count
Product
Show Function Browser
Formula Editor
Monthly budget
November 2009

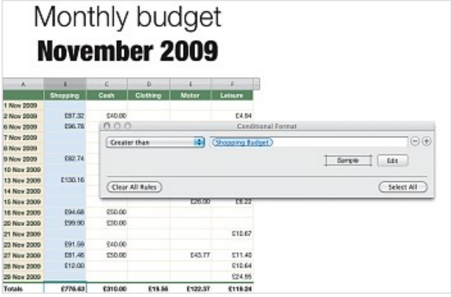
02 Totalling columns

Click on a cell in the footer row and choose **Sum** from the pop-up **Function** menu on the toolbar. *Numbers* selects the column of figures for totalling. Click on the cell's bottom right-hand corner and drag it across the other cells in the row to apply the same function.


Monthly budget
November 2009

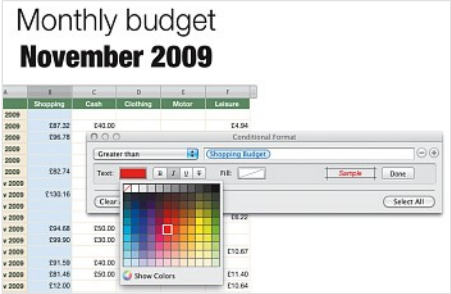
03 Extra footer rows

Here you can see the totals for each column. But we've also set a budget for each category of expenditure, and have created a second row below the totals. At the **Headers** and **Footer** pop-ups on the **Table Inspector** you'll see that you can add up to five of each.


Monthly budget
November 2009

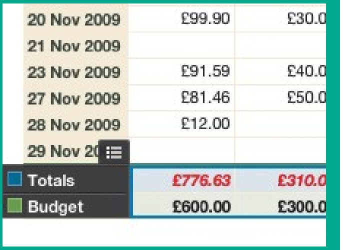
04 Conditional formatting (1)

Using conditional formatting *Numbers* can highlight totals in excess of the budgeted figure. Select the **Total** cell and choose Format > Show Conditional Format Rules. Next, specify the condition, i.e that the cell contents are greater than the budgeted figure.


Monthly budget
November 2009

05 Conditional formatting (2)

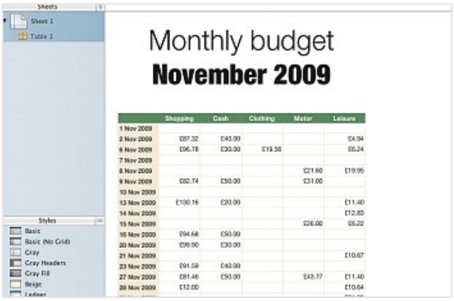
Now specify what happens if the condition is met. Choose different fonts, colours and styles, and change the background colour of the cell too. Here, we're changing the text to red – the style changes to italic by default. This is enough to make overspends instantly visible.



20 Nov 2009	£99.90	£30.0
21 Nov 2009		
23 Nov 2009	£91.59	£40.0
27 Nov 2009	£81.46	£50.0
28 Nov 2009	£12.00	
29 Nov 20		
Totals	*£776.63*	*£310.0*
Budget	£600.00	£300.0

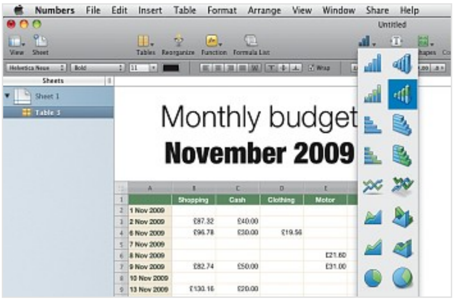
QUICK TIP

What if *iWork* plots the x-axis and y-axis values the wrong way round? When you click on a chart, the cell range it references is highlighted and this gadget appears next to the data series used for the y-axis. If it's the wrong, click it to swap.


Monthly budget
November 2009

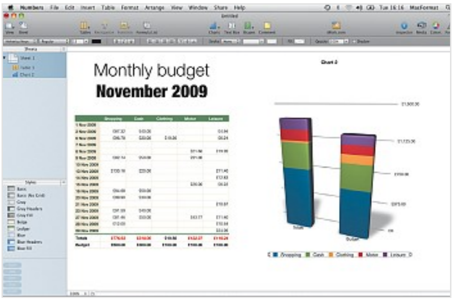
06 The finished formatting

And this is the result. The conditional formatting's been applied across the whole row of totals. In four of the five columns, the total has been picked out in red italics because it's more than the budgeted figure. In the other column, it's within budget so the text is normal.


Numbers
File
Edit
Insert
Table
Format
Arrange
View
Window
Share
Help
Monthly budget
November 2009

07 Choose a chart type

We'll finish off with a chart to display the results graphically. First, we select the two footer rows, then choose a chart type from the **Charts** pop-up. This gives us an idea of how our total spending compares to our budget, and breaks both down into components using colours.


Monthly budget
November 2009

08 Finishing off

And here's the finished result. *Numbers'* conditional formatting has picked out the problem areas in our budget, while the chart offers a visual comparison. If you find it useful for checking your monthly outgoings, save it as a template for future use. ●

>>OS X SURVIVAL GUIDE

Fix every Mac problem

Christopher Brennan presses the reset button

>>PROFILE

Name: Christopher Brennan
Occupation: Freelance journalist, Mac consultant and house-husband
System(s): Mac Pro (2x2.8GHz), MacBook (2GHz), 20-inch iMac (2GHz), 12-inch PowerBook G4 (1GHz)

There's a little secret that only us high-level Apple savvy engineers know about: a simple restart will solve 98% of problems with any Mac. Please don't go sharing that information with anyone, as if it gets out I'll be in trouble at the next meeting.

Seriously, the request to restart your Mac by any computer expert has become a stereotypical complaint with users precisely because it's often the most sensible course of action. Over the years, the range of odd Mac behaviour seems to have settled down somewhat. With each release of Mac OS X the number of issues and reasons for crashes seems to reduce. In fact, nowadays I find that a kernel panic is a much rarer event than it used to be. Obviously, now I've said that there will be a rash of kernel panics and a worldwide Mac OS X disaster of biblical proportions.

However, there are times when a simple restart doesn't solve your problem. But do not despair, as there are a few things you can do to spice up your restart. First up is the much-overlooked **Safe Boot**.

This will do a number of things to help you out. It performs a directory check of the disk with your system on, it loads the kernel extensions needed to get your Mac working and it disables all but the fonts needed for the system to operate. **Safe Boot** also disables startup and login items too. If you've been having problems and have an inkling about which software is causing the issue, then launch in **Safe Boot** and remove it. To boot in **Safe Mode** simply hold down the ⇧ key as you start your Mac. Obviously, some features won't work in **Safe Boot**, and it's not something you should really be using everyday. Most importantly, you will not be able to access a Time Capsule or any network disks, so if your backup or other disk tools are stored on a network disk make sure you can connect the disk directly before starting your Mac.

"The request to restart your Mac by an expert has become a stereotypical complaint with users – but it's a sensible course of action"

The second tool in your restart arsenal will probably be more well-known to you: **Single-user Mode**. Once in **Single-user Mode** you can use the command-line utility **fsck** to repair a disk that can't start up. To be fair, it's often used when it's not really appropriate or needed, but an **fsck** can often perform the magic trick of fixing a tetchy Mac as well as making a tetchy Mac owner feel better too.

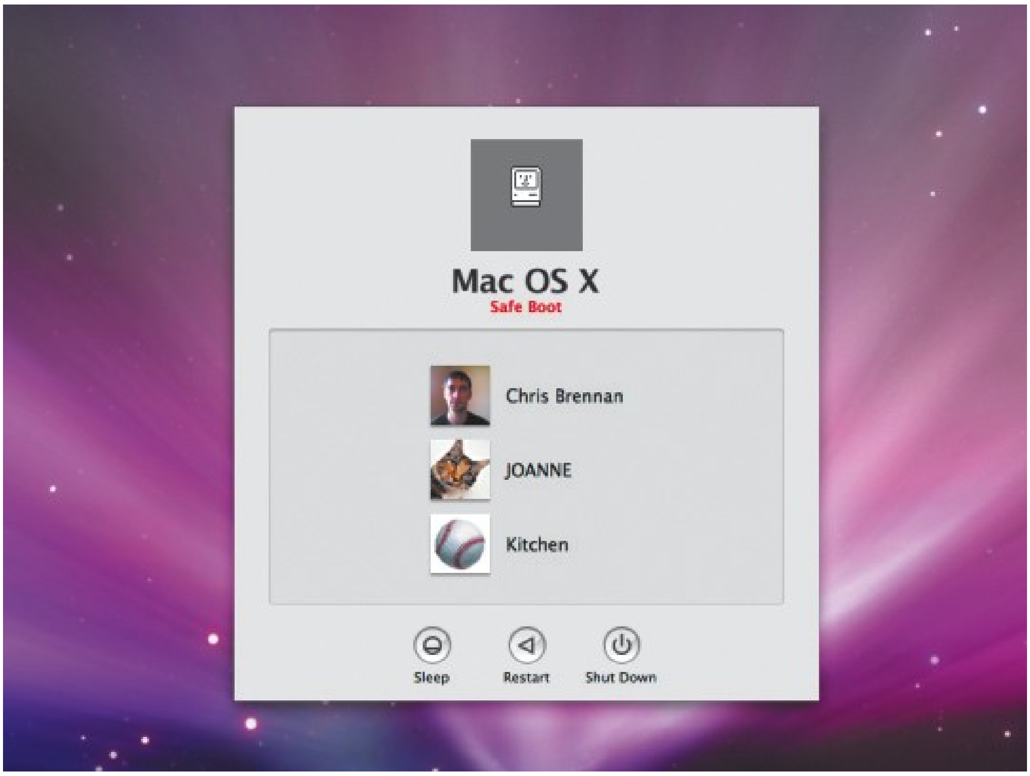
However, you really should only need to use **fsck** in **Single-user Mode** if you can't boot into **Safe Mode** or boot from your Mac OS X disk. To start up in **Single-user Mode**, restart your Mac and hold down ⌘ with the S key. When your Mac boots you'll go on to see a very un-Mac like sight that is white text on a black background.

When your Mac finishes booting to the command line, type:

```
/sbin/fsck -fy
```

Press ↩ and the disk check will run. When it's finished you'll see one of two messages. The first is **The volume (your boot name) appears to be OK** the second is **FILE SYSTEM WAS MODIFIED**.

If you get the first message simply type 'reboot' and press ↩; if you get the second, re-run the **fsck**. ●



Safe Boot is often overlooked in favour of Single-user Mode, but it's usually a better option. However, a restart of any type can usually solve your Mac problems.

FREE Design & Development Software

with all Dedicated Servers from **£59pm**

Join the Microsoft® WebsiteSpark™ program when you purchase your new Windows dedicated server and receive **FREE** design & development software!

FREE Microsoft® Visual Studio® 2008 Professional Edition

FREE Microsoft® Expression® Web 3

FREE Microsoft® Expression® Studio 3

FREE Microsoft® Silverlight®

PLUS: Every server is pre-installed with Microsoft Web Platform Installer 2.0, making it simple to download and install open source software including WordPress, DotNetNuke and Drupal.

fasthosts
192.168.121.121
SYSYTEM STATUS 100%
intel
Xeon inside
intel
Intel Xeon processor

Windows Server® 2008

With the latest **Intel® Xeon® Quad-core** processors

Buy today and get your new server online in minutes - 24/7 UK phone & email support

For more details and to register, call us now on:

0844 583 0742

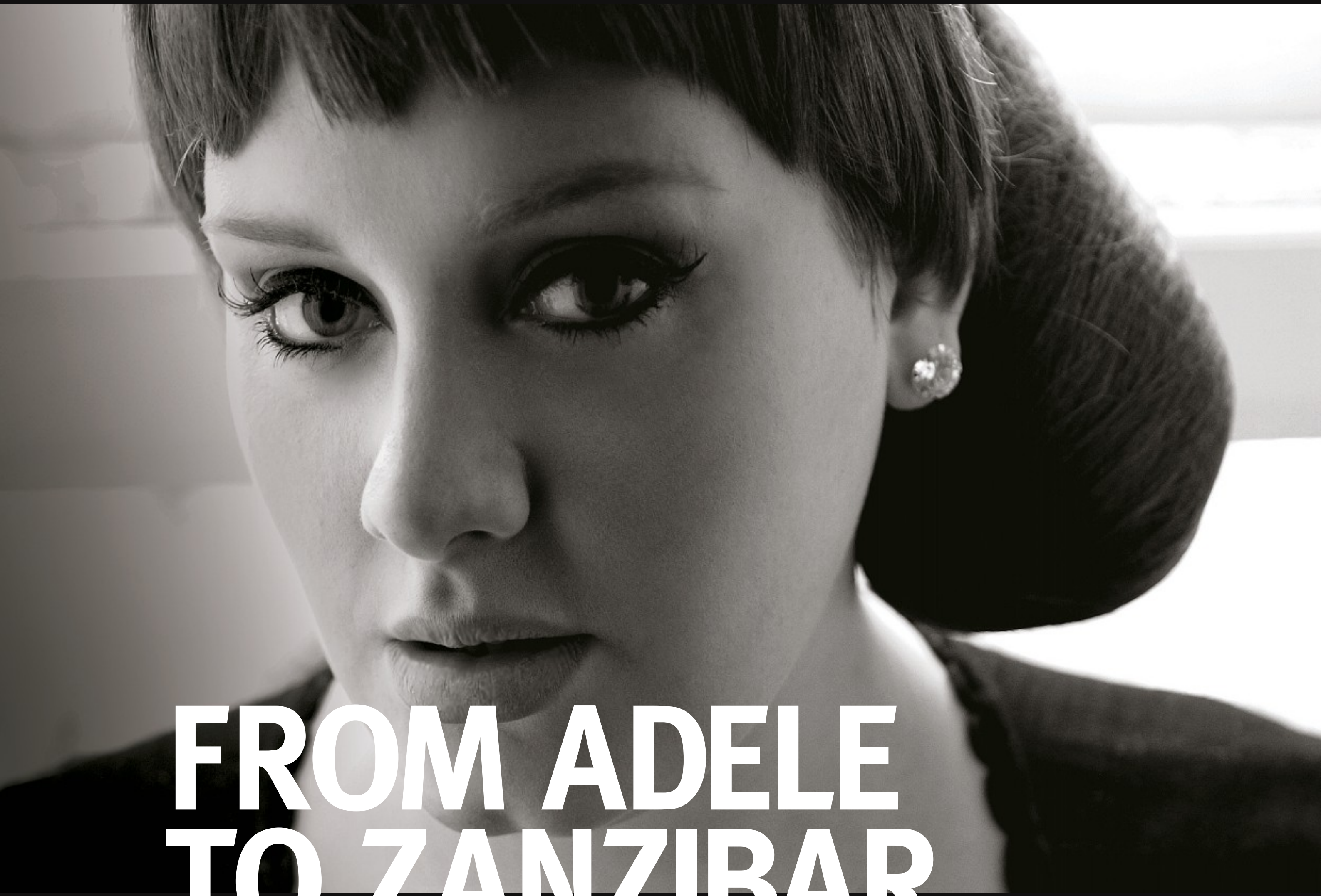
www.fasthosts.co.uk/websitespark

fasthosts™

World Class Dedicated Servers

© 2009 All rights reserved. Fasthosts and the Fasthosts logo are trademarks of Fasthosts Internet Ltd.
Microsoft Website Spark membership is subject to eligibility criteria, please see website for details.
Product and program specifications, availability and pricing subject to change without notice.
Prices exclude VAT. Offer and prices valid at time of print.

emusic



FROM ADELE
TO ZANZIBAR
AND BACK AGAIN.

Take 50 Free tracks and create your own musical adventure.
Explore eMusic's 5 million track catalogue,
from the brightest new voices to far-flung sounds.

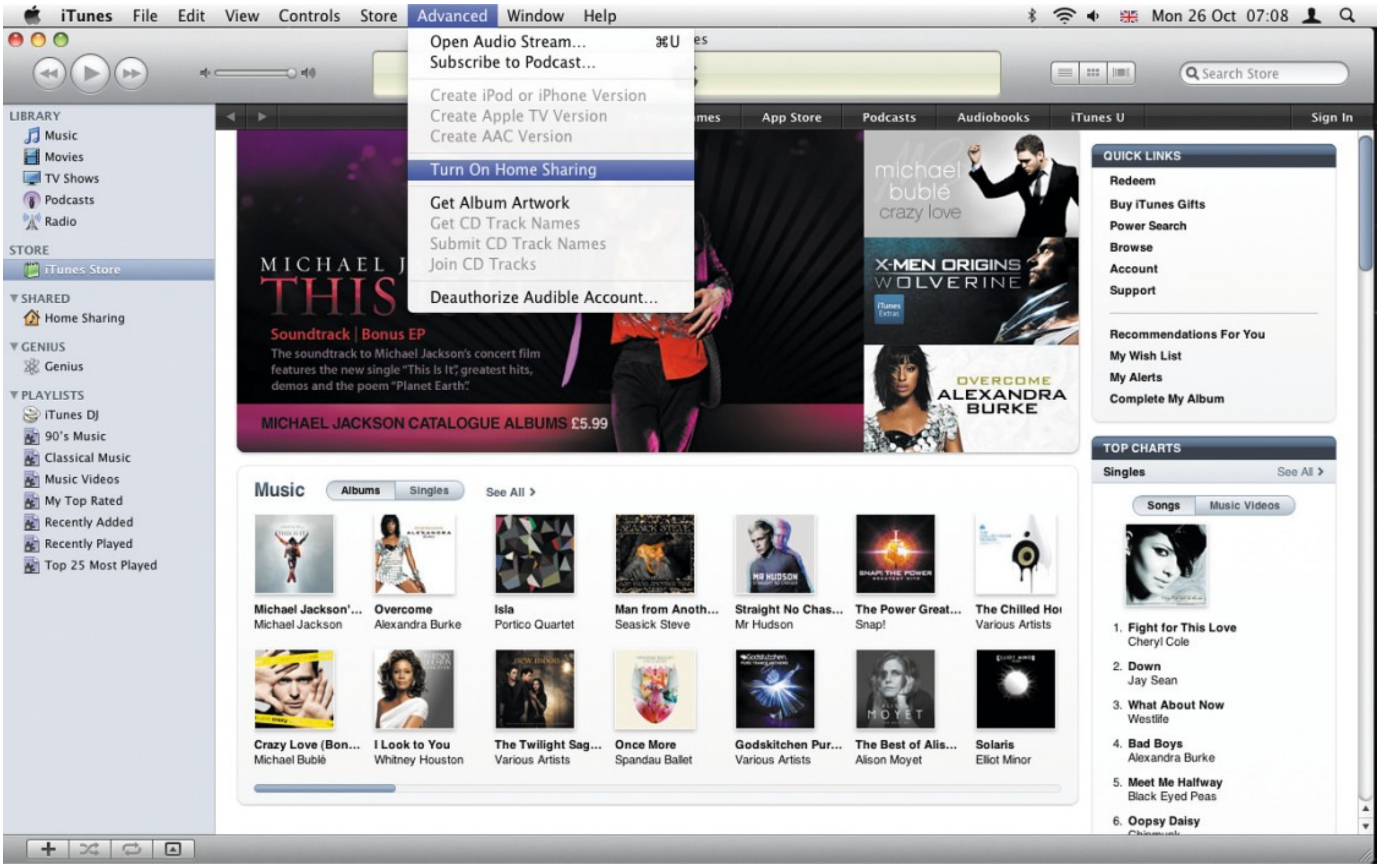
50 FREE TRACKS, on us.
Go to: www.emusic.com/MacFormat

T.REX
ADELE 19
memory almost full
VAMPIRE WEEKEND
JOHNNY CASH
BECK MODERN GUILT
FLEET FOXES
CAT POWER JUKEBOX
INCREDIBLE BONGO BAND "BONGO ROCK"

Get up to 50 free downloads free with a 7-day eMusic trial subscription. Offer available to first-time eMusic customers only. Internet access, registration, and credit or debit card required. Limited time offer. Offer and eMusic's prices are subject to change and are subject to eMusic's terms of use. eMusic and the eMusic logo are either registered trademarks or trademarks of eMusic.com Inc. in the United Kingdom or other countries. All rights reserved. eMusic is notresponsible for products, services or claims made by Future Publishing.

mp3 100% COMPATIBLE

Turning on Home Sharing in iTunes is simple: just remember to do it on all your Macs!


iTunes File Edit View Controls Store Advanced Window Help
Mon 26 Oct 07:08
Open Audio Stream... ⌘U
Subscribe to Podcast...
Create iPod or iPhone Version
Create Apple TV Version
Create AAC Version
Turn On Home Sharing
Get Album Artwork
Get CD Track Names
Submit CD Track Names
Join CD Tracks
Deauthorize Audible Account...
LIBRARY
Music
Movies
TV Shows
Podcasts
Radio
STORE
iTunes Store
SHARED
Home Sharing
GENIUS
Genius
PLAYLISTS
iTunes DJ
90's Music
Classical Music
Music Videos
My Top Rated
Recently Added
Recently Played
Top 25 Most Played
Search Store
App Store
Podcasts
Audiobooks
iTunes U
Sign In
QUICK LINKS
Redeem
Buy iTunes Gifts
Power Search
Browse
Account
Support
Recommendations For You
My Wish List
My Alerts
Complete My Album
TOP CHARTS
Singles
See All
Songs
Music Videos
1. Fight for This Love
Cheryl Cole
2. Down
Jay Sean
3. What About Now
Westlife
4. Bad Boys
Alexandra Burke
5. Meet Me Halfway
Black Eyed Peas
6. Oopsy Daisy
Music
Albums
Singles
See All
Michael Jackson'...
Michael Jackson
Overcome
Alexandra Burke
Isla
Portico Quartet
Man from Anoth...
Seasick Steve
Straight No Chas...
Mr Hudson
The Power Great...
Snap!
The Chilled Ho
Various Artists
Crazy Love (Bon...
Michael Bublé
I Look to You
Whitney Houston
The Twilight Sag...
Various Artists
Once More
Spandau Ballet
Godskitchen Pur...
Various Artists
The Best of Alis...
Alison Moyet
Solaris
Elliot Minor
MICHAEL JACKSON CATALOGUE ALBUMS £5.99
Soundtrack | Bonus EP
The soundtrack to Michael Jackson's concert film features the new single "This Is It", greatest hits, demos and the poem "Planet Earth".
michael bublé crazy love
X-MEN ORIGINS WOLVERINE
OVERCOME ALEXANDRA BURKE

Share files with other users

Mac OS X makes it easy to share your music, your memories... and more!

Whether you've just bought some great music from the iTunes Store or you've been adding family photos to *iPhoto*, it's only natural if you want to share them with others.

Popular websites such as Facebook and Flickr, and online services such as Apple's MobileMe (www.apple.com/uk/mobileme: individual membership £59/year; Family Pack, including 5 users £89/year) make it really easy to share your photos with the rest of the connected world. And when it comes to music, the *Spotify* application (www.spotify.com: free if you don't mind listening to adverts occasionally; or £9.99/month for Premium membership) enables you to share your music tastes with your friends and relatives, wherever they are in the world.

Sometimes, though, you might just want to simply share your memories with other members of your family, on their own Macs, in the comfort of their home. And maybe let them have a copy for their own enjoyment. Well, that's exactly what you can do using the latest versions of *iTunes* and *iPhoto*. However, that's providing you're using a network router to share an internet connection.

> *"Share your memories with other members of your family, on their own Macs, in the comfort of their home"*

A router is a piece of hardware that is used to distribute – or route – a broadband signal between a number of different devices. Those devices can be computers, games consoles, maybe even your iPod Touch or iPhone (or other smartphone), and the connection to the router can be either wired (Ethernet) or wireless (WiFi). For more on what routers are and what they can do, see the box over on page 69.

A by-product of connecting to the internet using a router is that all the devices connected to the same router also form a small-scale, private »

»QUICK TIP
Transfer to another Mac by dragging the file onto ~/Public/Dropbox/, authenticate with your password and the other user will be able to see it as soon as you drop it in!

Mac OS X Snow Leopard

>> QUICK TIP

Want to be an eco-warrior? Then upgrade to Snow Leopard! With Snow Leopard and an Airport Extreme or Time Capsule your Mac can carry on sharing files, waking from sleep only when needed. Before Snow Leopard, if your Mac went to sleep, file sharing would stop until the Mac was reawakened again.

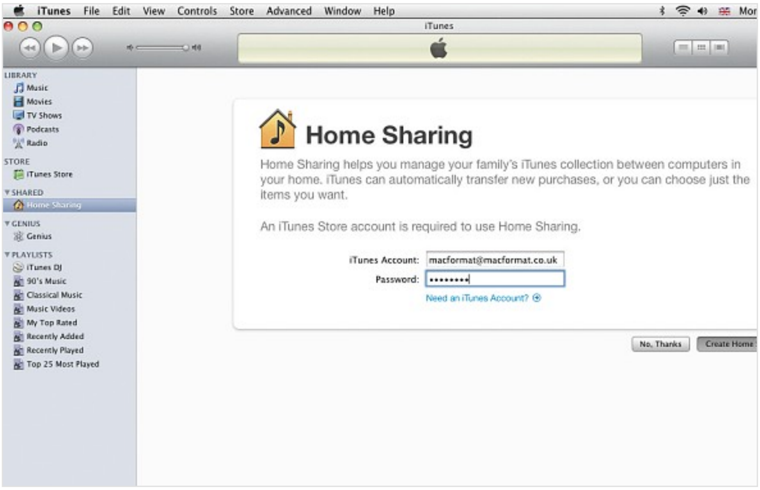
network, usually referred to as a local network or LAN (short for Local Area Network). By contrast, the internet is sometimes referred to as a Wide Area Network, or WAN (hence the WAN port on the Airport Extreme, which is the port to which you connect your ADSL modem). Mac OS X uses your LAN to share not only *iTunes 9* and *iPhoto '09* media files between your Macs, but other types of file too. Over the next few pages, we'll be showing you how to use your home network setup to share those files, and plenty more. But for now, we'll kick things off with *iPhoto*.

Sharing albums in iPhoto

Sharing was introduced into *iPhoto* with version 6, so the following method should work with that version or later. Incidentally, even though the current version is known informally as *iPhoto '09* due to its inclusion in *iLife '09*, its actual version number is 8.1.

To enable sharing in *iPhoto*, go to iPhoto > Preferences, and click on Sharing in the toolbar. Then, using the checkbox, choose Share my photos. Using the radio buttons you can choose whether you share your entire Library or only individual albums. Notice that you can also password-protect your photos if you wish, in order to prevent the wrong person viewing them.

If you want to view shared albums you'll also need to make sure that you've chosen Look for shared photos by putting a tick in the checkbox. Repeat these steps on all the Macs whose *iPhoto* albums you want to share, or that you want to be able to find shared albums.



Home Sharing

Home Sharing helps you manage your family's iTunes collection between computers in your home. iTunes can automatically transfer new purchases, or you can choose just the items you want.

An iTunes Store account is required to use Home Sharing.

iTunes Account: macformat@macformat.co.uk
Password: ••••••••

Need an iTunes Account?

You'll need an iTunes or iPhone Apps Store account to take advantage of Home Sharing.

> *"If you're a keen photographer, you'll probably find your Library has expanded to quite a size..."*

Next, take a look down the left-hand side of the *iPhoto* application window: you should see an item called Shares. If you haven't already, click the expansion triangle next to this and you'll see a further item called Shared Photos: click on the expansion triangle next to this and you'll see all the available shared albums or libraries.

Only the thumbnails from other *iPhoto* libraries that you view on your Mac are stored on your Mac, in a temporary folder, so if you want a copy of a full-sized image for editing or sharing, simply choose the photos you want: to select a series of photos click on the first one, then ⇧-click on the final one, or ⌘-click to cherry-pick a number of individual images. Then choose File > Import to Library...

Taking it further

If you're using Mac OS X and *iPhoto's* default settings, your *iPhoto* Library folder will be located in the Pictures folder inside your Home folder; or, in standard Unix-style notation: ~/Pictures.

This normally means that you'll need to leave *iPhoto* open on the Mac that's sharing the images, otherwise you'll disconnect the other user and prevent them from accessing your shared library. Obviously, this is going to be inconvenient if you intend to share your Library regularly. A better solution – though one that can be problematic if it's not carried out properly – is to move your entire Library to an external USB or FireWire drive. Incidentally, Apple doesn't yet recommend having your iPhoto Library on a networked drive (sometimes described as a NAS drive, NAS being short for Network Attached Storage).

To move your iPhoto Library over to an external hard drive, first of all you'll

>> HOW TO / Networks, Macs and routers

Macs have had built-in networking from day one, but it took the adoption by all manufacturers of protocols that were developed for the net (i.e TCP/IP) before networking became common.

In practical terms, each computer on a network needs to be uniquely identifiable. Internet Protocol (IP) assigns each computer a numerical IP address. IPv4 addresses take the form of 123.456.789.123, where each of the four numbers (called octets) is between 0 and 255, giving a total of 4,294,967,296 unique IP addresses. That might seem a lot, but the proliferation of internet-connected devices such as games consoles and smartphones means we're running out of IPv4 addresses. Fear not though, as IPv6 is imminent.

So how come you didn't have to do any of this to set up your current home network? Well, Dynamic Host Configuration Protocol (DHCP) is incorporated into most home and office routers, and will automatically assign IP addresses to each device as it starts up. Not only that, but your router will conveniently act as a bridge between the addresses in your private network and the unique IP address assigned to you by your ISP whenever you go on the internet.

NETGEAR
NETGEAR

Your router will assign IP addresses to each device as it starts up.

need to make sure the drive is large enough to hold it.

To find out the size of your Library, go to ~/Pictures, and single-click on it, then go to File > Get Info.

If you're a keen photographer with plenty of images, you'll probably find that your iPhoto Library has expanded to quite a size, so moving it also makes sense in terms of creating more space on your Mac's main hard disk. Before you do this though, make sure the external disk to which you're moving is set to ignore permissions. To enable this, select the external disk icon on your desktop by single-clicking on it. Then go to File > Get Info... and click the expansion triangle next to Ownership & Permissions. Make sure there's a tick in the checkbox next to Ignore ownership on this volume. Once you've done this you'll then be able to move your Library over by dragging it across to the external disk from its old location.

Getting to the Library

To choose the Library in its new location for the first time, hold down the ⌥ key as you launch *iPhoto*. This will bring up a dialog asking which Library you want to use, giving you the options of choosing one from a list, creating a new Library or navigating to a Library in another location. Choose Other Library..., navigate to the new location, click on your Library and choose Open.

Even using the above method, however, there are restrictions on what you can do: for instance, only one user can access the Library at any one time, so it's not suitable if you're using *iPhoto* for a group project: in a classroom, for instance.

As of *iPhoto '09* there's also a really simple method of sharing your Library that means you don't have to leave *iPhoto* open on the Mac that's hosting the folder. Although it does mean that you have to leave the host Mac turned on: move it to the /Users/Shared/ folder. As of *iPhoto '09* you can even double-click on a *Library* to open it, as you would a document.

Now for *iTunes*, and if the topic of sharing iPhoto Libraries is a vast one, then sharing iTunes Libraries and playlists among multiple users has generated a similar number of forum posts and discussions. Fortunately, that has recently been made much simpler than it was.

Home Sharing

The big news when *iTunes 9.0* was released was that it introduced a feature called Home Sharing. Home Sharing is a simple enough idea, enabling you to play or transfer music and videos (although it doesn't work for rented movies) from one computer on up to five others on your local network. To do this, however, you'll need an iTunes Store account.

To enable Home Sharing on the computer that has your main *iTunes* account on it, first open up *iTunes*, then click on the Home Sharing icon »

» HOW TO / Master file permissions

Occasionally, you'll come up against Mac OS X's system of file access permissions. Mac OS X is based on a variant of Unix, an operating system developed for multiple users sharing time on mainframe computers. It is therefore essential to protect user's files and folders against alteration or deletion by other users.There are three main classes of user in Unix:

1) owner: usually the user who created the file.

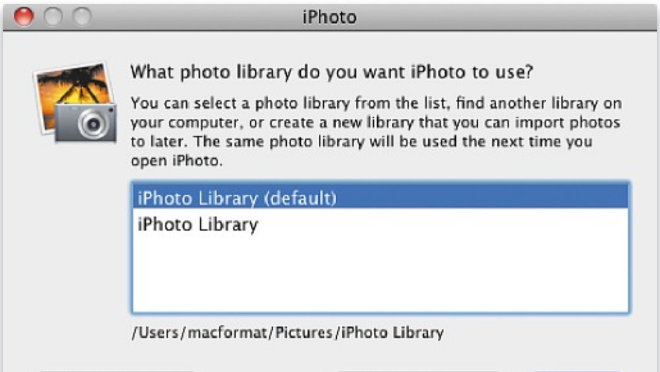
2) group: a collection of users.

3) others: those users who are neither the owner of the file nor a member of the group to which it has been assigned.

Each class of user has its own permissions, determining whether they can read (r), write (w) or execute (x) a file or directory. A file's permissions are listed for each class of user in the order given above: owner, group, others. For instance: rwxrwxrwx would mean all users could read, write and execute the file. Normally, the owner has full rights over a file, while the group and others have read-only access: rwxr--r--, where the dashes show permission has not been granted.

You can change a file's or folder's permissions in Mac OS X by doing the following: single-click the file and choose File > Get Info. Then click the triangle next to **Sharing & Permissions**. Now click on the padlock and authenticate to allow changes to be made. Finally, use the popups to make the changes and close the **Get Info** window.

> *"You can also password-protect your photos if you wish, in order to prevent the wrong person viewing them"*


iPhoto

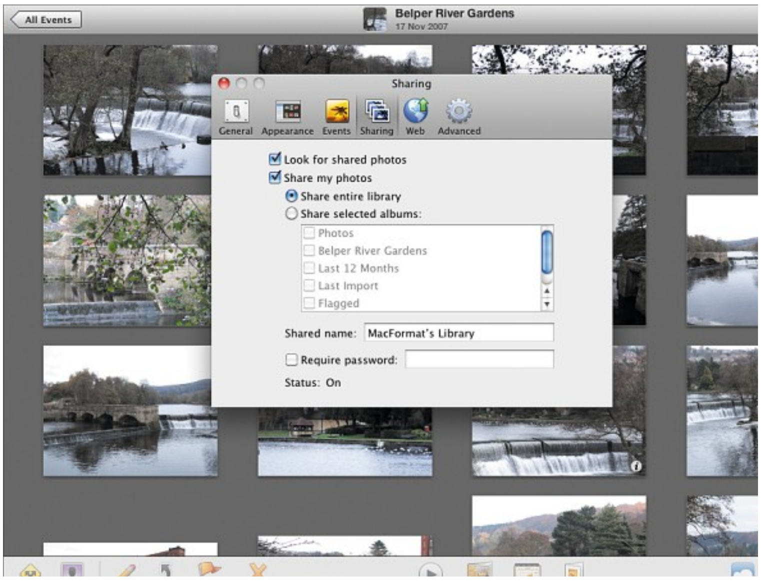
What photo library do you want iPhoto to use?

You can select a photo library from the list, find another library on your computer, or create a new library that you can import photos to later. The same photo library will be used the next time you open iPhoto.

iPhoto Library (default)
iPhoto Library

/Users/macformat/Pictures/iPhoto Library

Hold ⌥ as you launch iPhoto and you'll be prompted to locate your Library.



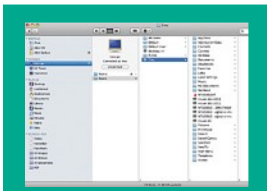
☑ Look for shared photos
☑ Share my photos
● Share entire library
○ Share selected albums:
☐ Photos
☐ Belper River Gardens
☐ Last 12 Months
☐ Last Import
☐ Flagged

Shared name: MacFormat's Library

☐ Require password:

Status: On

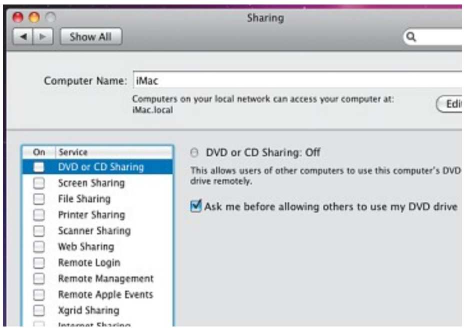
Share photos across your home network after a couple of changes to iPhoto's Preferences.



» QUICK TIP

Having trouble seeing your PC in the sidebar? Try rebooting it. If you still can't see it when it's rebooted, choose Go > Connect to Server... from *Finder*. When you're prompted enter smb:// followed by the IP address of the PC, click **Connect** and authenticate when you're prompted.

HOW TO / Share files between Macs and PCs on a network


Sharing
Show All
Edit
On
Service
☐ DVD or CD Sharing
☐ Screen Sharing
☐ File Sharing
☐ Printer Sharing
☐ Scanner Sharing
☐ Web Sharing
☐ Remote Login
☐ Remote Management
☐ Remote Apple Events
☐ Xgrid Sharing
Internet Sharing

Computer Name: iMac

Computers on your local network can access your computer at: iMac.local

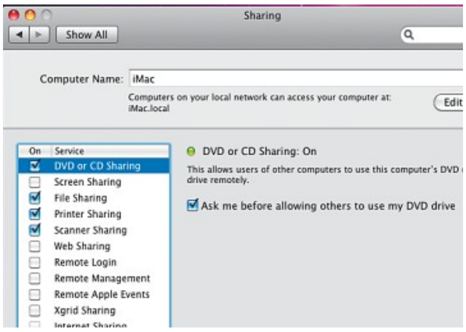
DVD or CD Sharing: Off

This allows users of other computers to use this computer's DVD drive remotely.

☑ Ask me before allowing others to use my DVD drive

01 Start sharing

Start sharing files by going to System Preferences > Sharing, and authenticate by clicking the padlock and entering your administrator password. Make sure the name in the **Computer Name** field at the top identifies your Mac; if it doesn't, click **Edit** to change it.


Sharing
Show All
Edit
On
Service
☑ DVD or CD Sharing
☐ Screen Sharing
☑ File Sharing
☑ Printer Sharing
☑ Scanner Sharing
☐ Web Sharing
☐ Remote Login
☐ Remote Management
☐ Remote Apple Events
☐ Xgrid Sharing
Internet Sharing

Computer Name: iMac

Computers on your local network can access your computer at: iMac.local

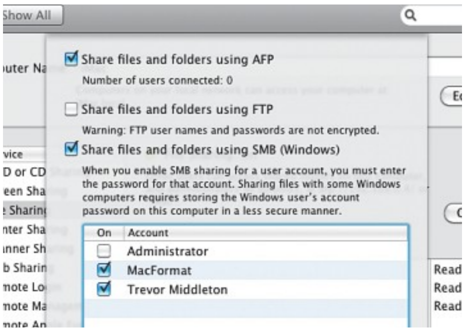
DVD or CD Sharing: On

This allows users of other computers to use this computer's DVD drive remotely.

☑ Ask me before allowing others to use my DVD drive

02 Enable options

Next, enable options by putting a tick in the checkbox next to them. To see other Macs on your network enable **File Sharing**; do this first. You can also share your Mac's optical drive or USB printer, though you'll need to leave the Mac turned on for this to take place.


Show All
Read
Read
Read

☑ Share files and folders using AFP

Number of users connected: 0

☐ Share files and folders using FTP

Warning: FTP user names and passwords are not encrypted.

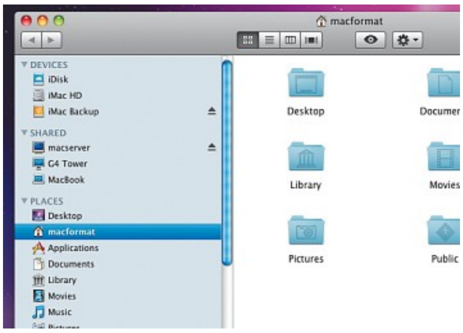
☑ Share files and folders using SMB (Windows)

When you enable SMB sharing for a user account, you must enter the password for that account. Sharing files with some Windows computers requires storing the Windows user's account password on this computer in a less secure manner.

On	Account
☐	Administrator
☑	MacFormat
☑	Trevor Middleton

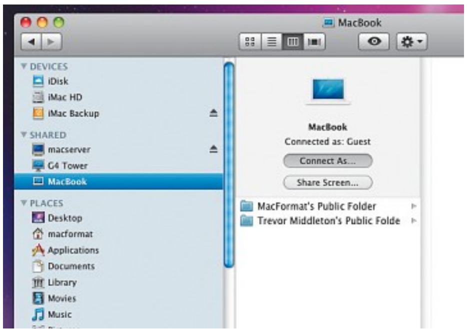
03 Connect to Windows

If you have Windows users connected to your router click on **File Sharing** in the list of services, then choose **Options…** Tick **Share files and folders using SMB (Windows)**, choose the accounts you want to enable, enter the account password and click **Done**.


macformat
DEVICES
iDisk
iMac HD
iMac Backup
SHARED
macserver
G4 Tower
MacBook
PLACES
Desktop
macformat
Applications
Documents
Library
Movies
Music
Desktop
Documents
Library
Movies
Pictures
Public

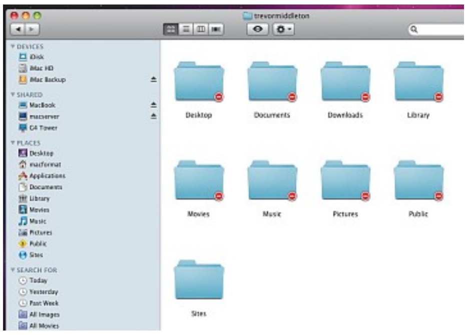
04 Repeat for all Macs

Repeat the above with all the Macs on your network. You'll need to enable **Sharing** on any Windows PCs (check out **http://support.microsoft.com**). To start accessing other Macs on your network, open a new *Finder* window.


MacBook
DEVICES
iDisk
iMac HD
iMac Backup
SHARED
macserver
G4 Tower
MacBook
PLACES
Desktop
macformat
Applications
Documents
Library
Movies
Music
MacBook
Connected as: Guest
Connect As...
Share Screen...
MacFormat's Public Folder
Trevor Middleton's Public Folde

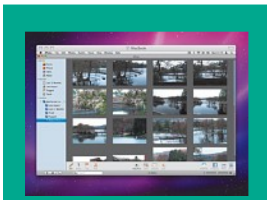
05 See all machines

Click the triangle next to **Shared** in the Sidebar to see a list of Macs. Click **Connect As…** If any view other than **Columns** you'll find the button below the toolbar. Enter the name and password of a registered user or log in as a Guest.


trevormiddleton
DEVICES
SHARED
PLACES
SEARCH FOR
Desktop
Documents
Downloads
Library
Movies
Music
Pictures
Public
Sites

06 View files

If you logged in with a valid account you should have unlimited access to all your files stored on the other Mac. If you don't, you'll see a No Entry icon on it. We'd recommend using **Columns** view for clearer navigation.



QUICK TIP

Got multiple Macs running Mac OS 10.5 or later? Go to System Preferences > Sharing, enable **Screen Sharing**, and control other Macs remotely.

on the left – it can usually be found underneath the iTunes Store icon (you might need to click the expansion triangle next to **Shared** to see it, if it's not immediately visible). If you can't see **Home Sharing** you'll need to enable it by choosing Advanced > Enable Home Sharing.

Next, enter your iTunes Store (or iPhone App Store) account details: you'll need to enter the same account details into each computer on which you want to enable **Home Sharing**. Once you've done this, click **Create Home Share**. Repeat the steps for each additional computer (you can have up to five) on which you want to share your music.

You can, if you wish, automatically transfer between computers your music, films, TV shows, audiobooks or applications that you've bought from iTunes or the App Store. With **Home Sharing** enabled, choose the Library you want to access on the left of the *iTunes* application window, click **Settings** (located in the bottom right-hand corner) and use the checkboxes in the **Home Sharing** settings dialogue for each type of file you want to transfer.

> *"Transfer the music, films, TV shows, audiobooks or apps you've got from iTunes or the App Store…"*

Other types of files

Being able to share your favourites from *iPhoto* and *iTunes* is great, but that's just the beginning of what you can do when you have a home network. In the step-by-step instructions above we'll show you how to set up your Macs to share other types of file by dragging and dropping: it's simpler than you might think, and much easier on the legs than running upstairs with a USB flash drive!

Trevor Middleton

COMING SOON...

BRITAIN'S NEWEST & BEST ADULT ROCK FESTIVAL

MEAN FIDDLER & CLASSIC ROCK
PRESENT

HIGH VOLTAGE

FESTIVAL

SATURDAY + SUNDAY
JULY 24/25, 2010
LONDON VICTORIA PARK

Tickets go on sale Friday, December 4

ACTS TO BE ANNOUNCED

For more info and newsletter subscription please go to highvoltagefestival.com

A decade of innovation

In the first decade of the 21st century, Apple has emerged as a veritable business phenomenon. **Christopher Phin** looks at 10 of its milestones

When the story of Apple is finally written, the first decade of the 21st century will be hailed as second in importance only to the launch of the original Macintosh.

In these last 10 years, Apple has reinvented itself from a manufacturer of good-if-expensive computers to a true powerhouse of innovation. The iPod sensation made Apple a household name for the first time. The iMac line, introduced in 1998, reinvigorated the entire industry, while the iPhone is helping Apple shape an entirely new platform – giving it the potential to dominate in a way it never succeeded in doing on the desktop.

It's no coincidence that this renaissance coincided with the return of Steve Jobs. Thanks to Apple's CEO, picking just 10 milestone products from the last 10 years proved tough. So let's see how we did.

Do you think we picked the right 10 milestones? Head to http://forum.macformat.co.uk and tell us what you think!

01 iMac

The Mac that kept Apple solvent

The original Bondi blue iMac was introduced in the dying years of the 20th century, but it was in the 21st that it moved from being a computer that was cute but underpowered, to one that will demolish pretty much any task that all but the most hardcore user can throw at it.

The original iMac was the first Mac to include USB, and because PCs used USB too, it was the first step towards today's world in which, with a few exceptions, Mac users can pick from the same selection of peripherals as the larger Windows audience. No longer did we have to hunt for overpriced ADB and SCSI models; henceforth, a Mac user could walk into PC World and pick up almost any printer they liked and hook it up without even having to think about compatibility.

Proving it was the iMac that saved Apple may be a difficult task. However, there's no doubting that it both reinvigorated a dull and increasingly commodified PC market, and refocused Apple on the business of creating innovative and humanising technology.

»TIMELINE / The key events from the last 10 years

2000

16 Feb 'Pismo' PowerBook

19 Jul Power Mac G4 Cube

2001

9 Jan iTunes

24 Mar Mac OS X 10.0

1 May White iBook

18 Jul Final iMac G3 models

25 Sep Mac OS X 10.1

23 Oct Original iPod

2002

7 Jan iMac G4

29 Apr eMac

14 May Xserve

3G
9:42 AM
Tuesday
9
Messages
Calendar
Photos
Camera
YouTube
Stocks
280
Maps
73°
Weather
Voice Memos
Notes
Clock
Calculator
Settings
iTunes
App Store
Compass
Phone
Mail
Safari
iPod

02 iPhone

The platform that will define future computing

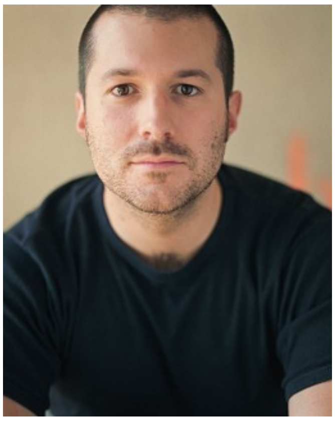
"We've learned and struggled for a few years here figuring out how to make a decent phone," said Palm's CEO when the iPhone was no more than a rumour. "PC guys are not going to just figure this out. They're not going to just walk in."

Today, though, the iPhone is nothing short of a phenomenon. While its overall mobile phone marketshare remains low – estimates put it at around 2.5% – it's a money-making machine. Recent figures suggest Apple has the highest total operating profit in the industry.

And besides, with 100,000 apps to download from the App Store, and rumours of an Apple Tablet refusing to die, the iPhone platform is set to shape the emerging mobile computing market for years to come.

03 Jonathan Ive

The man who gave Apple its shape



To suggest that Jonathan Ive is solely responsible for Apple's industrial design is to do a disservice to the talented, creative teams of folks at Apple who together contribute to the engineering and holistic design of all of its stunning hardware. But there's no doubt that this British genius, Apple's Senior Vice President of Industrial Design, has had a tremendous influence on how Apple's products behave, look and feel. Since 1996 he has led the design team that created products so iconic that they now feature in museum collections.

04 Mac OS X

The modern foundation of the Mac... and iPhone

The classic Mac OS, culminating in Mac OS 9, remains an astonishing operating system, but it was with the adoption of Mac OS X that the Mac became a truly modern, stable and capable OS. Built on – and, with 10.5, certified as – Unix, Mac OS X is made to be flexible and standards-compliant. As with USB, its adoption, following the integration of the technologies Apple bought when it purchased Steve Jobs' NeXT company in 1996, signalled the end of the Mac as a ghettoised, proprietary system.

Many of the components we interact with daily in Mac OS X are open source, maintained, improved upon and often completely built by a worldwide community of developers. And despite a few hiccups, Apple is now a pretty good open source citizen, constantly contributing back to the community.

It was also the adoption of Mac OS X that allowed Apple to realistically port its operating system to x86 processors – this was the secret Marklar project – which also allowed the company to switch, ultimately, to Intel processors that were more powerful than the contemporary PowerPC chips.

»

24 Aug Mac OS X 10.2

3 Jan iLife

7 Jan PowerBook G4 (12 and 17-inch)

23 Jul Power Mac G5

16 Oct iTunes for Windows

22 Oct iBook G4

24 Oct Mac OS X 10.3

6 Jan iPod mini

28 Jun Cinema Displays

31 Aug iMac G5

2003

2004

2005

05 iLife

The ultimate enticement for Windows switchers

Apple makes a big thing of the fact that all new Macs come with *iLife* included as standard, and frankly we think it's right to do so. What started off in 2003 as a bundle of relatively limited apps, which were nevertheless revolutionary in their mix of power and simplicity, became an end-to-end media production tool in *iLife '06*.

Buy a Mac loaded with *iLife* and you can import, edit and compose your photos and video into polished projects, then print, burn or publish the result online, regardless of your technical or artistic ability. And don't forget that the *iLife* apps have often anticipated developments in the wider tech world. Just as and just before new technologies would have begun to hit their stride, an update to the component apps would arrive ready to take advantage of them. MiniDV? The original version of *iMovie*. AVCHD? *iMovie '08*. Movie-capable cameras? Support added in *iPhoto '05*. Geotagging in photos? *iPhoto '09*.

It's about being there for users when they upgrade and want to use their new shiny tech with the least amount of hassle. OS-level support for the raw formats of many prosumer cameras, for instance, only adds to the joy of *iLife*.

06 PowerBook G4 12-inch

A notebook with perfect power/portability balance

When, with great fanfare, Apple launched the MacBook Air, a sizeable chunk of old-school Mac users looked on in bemusement at the plaudits that were being heaped on this light, relatively puny notebook. It was slim, sure, but it also had a large footprint; and in any case, Apple had already solved the problem of making a small, powerful computer once before.

At the same time that Apple launched the world's largest laptop – the 17-inch PowerBook G4 – it also introduced the 12-inch model. Both were made of anodised aluminium, but it's not just this that makes them still feel modern. They could burn DVDs, and included Bluetooth and AirPort Extreme. (Indeed, even just the basic industrial design persisted in tweaked form all the way up until late 2008, when

07 Apple Stores

A high-street presence – and bags of cash

When Apple opened its Store on Manhattan's Upper West Side, Gizmodo reported Apple's Senior Vice President of Retail Operations saying that in 2001, Apple's sales totalled $5.4 billion. This year, the sales from Apple Stores alone totalled $6.6 billion. Therein lies the value of having stores on the high streets of many of the world's major cities.

TIMELINE / The key events from the last 10 years

2005

11 Jan Mac mini, iPod shuffle

29 Apr Mac OS X 10.4

19 Oct Dual-core Power Mac G5

2006

10 Jan First Intel Macs, iLife '06

7 Feb iPod nano

23 Feb 1 billion songs sold through iTunes Store

5 Apr Boot Camp

16 May MacBook

13 Jul Nike+iPod

7 Aug Mac Pro

2007

21 Mar Apple TV

29 Jun iPhone

08

iPod mini

The iPod revolution started right here

Many scoffed at it when it was launched. Compared to the price-per-gigabyte of the full-sized iPod, it looked like a bad deal. But the iPod mini was a pivotal product.

On a purely hardware level, it was the first iPod to introduce the idea of multiple colours, and it was on the mini that the Click Wheel made its debut. But much more important was its impact on Apple's business. It was cheap, and, at 4GB, held 'enough' songs for consumers at the time – all of which meant that the mini was the point in the history of the iPod where the sales went through the roof.

But the bigger story here is about Apple's momentum to dominate the portable media player market, and make *iTunes* synonymous with digital music.

iPod
Playlists
Browse
Extras
Settings
Backlight
MENU
MENU
MENU
MENU
MENU

09

Intel processors

Freed Apple to make fast, modern notebooks

In the early years of the century, it became clear that the IBM/Motorola processors that Apple used were beginning to falter. When Jobs introduced Macs that used the new G5 processor, he promised that 3GHz chips would be available within the year; two years later, you still couldn't buy a 3GHz G5. And despite the G5's power, it produced so much heat that it was impossible to fit into the compact case of a notebook.

Switching to Intel allowed Apple to implement powerful chips in its notebooks, as well as take advantage of the highly efficient performance of Intel's chips while maintaining a reasonable battery life. (And the ability to run Windows is a handy little side-benefit.)

10

iTunes

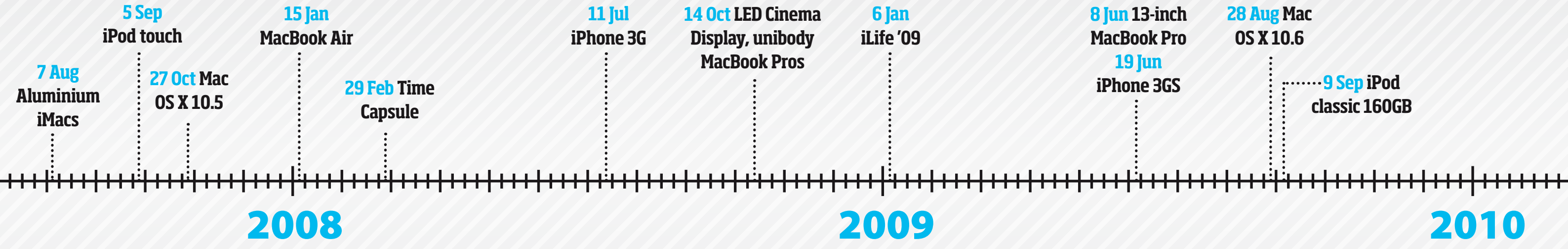
Made digital content distribution a reality

THE SETTLERS
App Store

We're not just talking about the app, iPods or the Store here – iTunes is included because it's such a huge ecosystem. The application itself is certainly important in its own right. It was the first major standalone app that Apple made for Windows (bar *QuickTime*) and, with its original 'Rip, Mix, Burn' advertising tagline, it helped kick-start the entire digital music revolution.

It's the iTunes Store that has had the most cultural impact, however. Although DRM has now been stripped from the iTunes Store, Apple's original refusal to license FairPlay – meaning you couldn't play your Store-bought tracks on anything but an iPod – certainly kept some people buying iPods that might otherwise have chosen another brand.

But it's the fact that Apple was the first company to make a serious attempt at the legal digital distribution of media that gains it a place here. It's unknown how much money the iTunes Store makes itself – though it has been estimated that the App Store brought in $2.4 billion in annual revenue – but that's almost irrelevant. Purely digital distribution was a pipe dream for companies and consumers for years. Apple made it a reality.


7 Aug Aluminium iMacs
5 Sep iPod touch
27 Oct Mac OS X 10.5
15 Jan MacBook Air
29 Feb Time Capsule
11 Jul iPhone 3G
14 Oct LED Cinema Display, unibody MacBook Pros
6 Jan iLife '09
8 Jun 13-inch MacBook Pro
19 Jun iPhone 3GS
28 Aug Mac OS X 10.6
9 Sep iPod classic 160GB
2008
2009
2010

Q&A

HINTS & TIPS ● TROUBLESHOOTING ● EXPERT ADVICE ● ESSENTIAL INFO

>> MEET YOUR Q&A EXPERT

Whatever your Mac-related problem, from misbehaving MacBooks to a wireless networks, Luis Villazon can help.

>> ASK LUIS A QUESTION

Got a problem with your Mac? Then why not send your queries to Luis at **macformat.helpline@futurenet.com** and see if he can help.

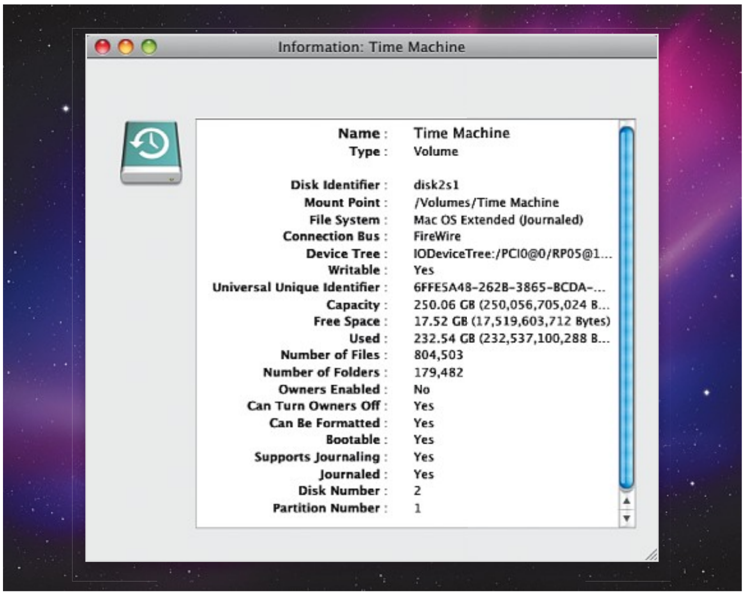
"Where have my network prefs gone to?"

Q My daughter is having problems with her G3 iBook logging onto the internet. She has cleared her hard drive and reloaded the software so she's operating 10.2.1. We can see the network we have at home, using a Netgear router supplied by Sky. However, when we put the password in, it says this isn't the password for the network. We're using the router with a G4 iMac and a G5 Mac Pro, as well as a Samsung netbook plus Xbox 360, PS3 and a Wii, all of which work. I've tried everything, I've even changed the AirPort card.

Following advice in *MF213*, I tried looking for the **com.apple.airport.preferences.plist** but there was no such file. It would be a shame not to use the wireless capability of the iBook.

Ray Pratt

A corrupted plist can often cause havoc with the wireless capabilities of your iBook.



Information: Time Machine

Name : Time Machine
Type : Volume

Disk Identifier : disk2s1
Mount Point : /Volumes/Time Machine
File System : Mac OS Extended (Journaled)
Connection Bus : FireWire
Device Tree : IODeviceTree:/PCI0@0/RP05@1...
Writable : Yes
Universal Unique Identifier : 6FFE5A48-262B-3865-BCDA-...
Capacity : 250.06 GB (250,056,705,024 B...
Free Space : 17.52 GB (17,519,603,712 Bytes)
Used : 232.54 GB (232,537,100,288 B...
Number of Files : 804,503
Number of Folders : 179,482
Owners Enabled : No
Can Turn Owners Off : Yes
Can Be Formatted : Yes
Bootable : Yes
Supports Journaling : Yes
Journaled : Yes
Disk Number : 2
Partition Number : 1

Time Machine only creates sparse bundle images on network drives.

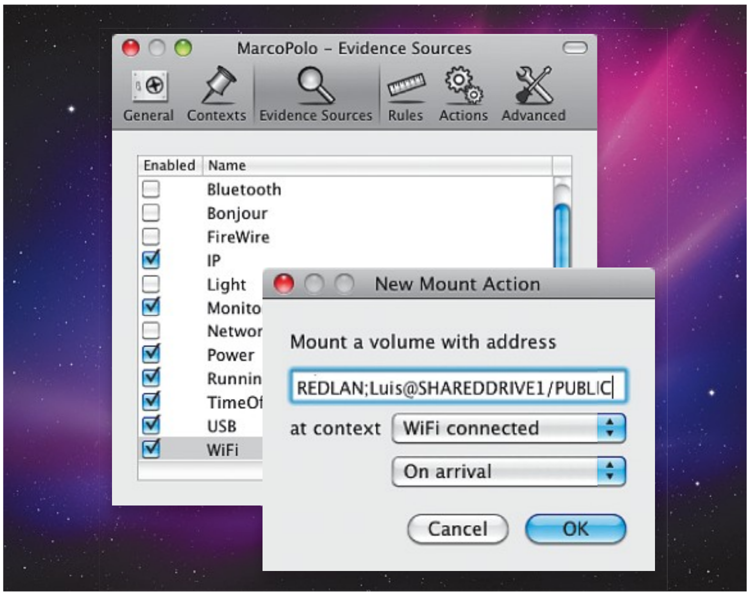
A The AirPort plist is recreated automatically on boot, if necessary, so the most likely possibility is that you're looking in the wrong place. There are two Library folders, remember. One is just for files and settings specific to your user account and that sits in your home folder. The other is for things that apply to the whole system; it hangs off the root folder of the hard disk itself (which is labelled Macintosh HD, by default). Network settings fall into the second camp, so you'll find the plist file at Macintosh HD\Library\Preferences\System Preferences.

Assuming you're definitely using the right password for the router (and not confusing the router admin password with the AirPort password, say) the most likely problem is a corrupted plist and deleting this file should fix it.

"How can I move my Time Machine backup easily?"

Q I needed to move a *Time Machine* backup, so the article in *MF213* seemed perfect. However, it didn't work for me. I have a USB hub plugged into an Airport Extreme with two Western Digital MyBook external drives attached. The 300GB is used for *Time Machine* for my G4 Mac mini; the 500GB is for *Time Machine* on my MacBook.

I purchased a 2TB MyBook and formatted it with two partitions to upgrade both backups. I plugged the 300GB and the 2TB drives into the Mac mini directly via a USB hub. Following your tutorial, I used *Disk Utility* to copy the 300GB drive to the 1TB partition. When I attached



Mount a volume with address REDLAN;Luis@SHAREDDRIVE1/PUBLIC

at context WiFi connected

On arrival

MarcoPolo lets you configure actions that trigger when your Mac changes location or state.

it back to the Airport Express, however, I got the same error saying the drive was full.

In *Time Machine* preferences the available space was reported as being 700GB+, which was as expected. After a bit of investigation, I found that my backup data was held in a **.sparsebundle** image file. This file seemed to be sized at 300GB as per the original hard-drive size.

There's a resize option in *Disk Utility* but I've so far been unsuccessful in re-sizing this **.sparsebundle** file to fill the 1TB partition on my new drive.

Keith Ellis

A *Time Machine* only uses sparse bundles to hold backups on networked drives.

Locally attached drives just use the Backups.backupdb folder full of the files themselves (or hard links to the files, if they haven't changed). If your backup is stored as a sparse bundle though, it will stay as one when you restore it to a locally attached drive – which is just as well because otherwise you wouldn't actually be able to put it back on the Airport Extreme afterwards.

But sparse bundles are tricky beasts. *Disk Utility* enables you to resize them downwards but you can't make them bigger. To do that, you need to use this *Terminal* command.

```
hdiutil resize -size 1000m YourImage.sparsebundle
```

"Can you help me reconnect my network drives?"

Q I've used *Automator* to build an app that mounts all my network drives and this is set to run on startup. Is there a way to get it to run when I sign on to my home WiFi network instead (or as well)? I often use my MacBook Pro at the office and when I wake it from sleep I have to manually run the mounting app again. This is a pain and doesn't fit with my "it should just work" ethos. If the app auto-ran upon reconnecting to my home network this would be beautiful and make my Mac purr.

Nick Kennedy

A There isn't an event triggered when you connect to a new network that you could use to launch an application. But there is a free utility called *MarcoPolo* (www.symonds.id.au/marcopolo/) that runs in the background and tries to work out where you are, based on the availability of various external networks. That makes it sound more complicated than it is, but at its most basic you can just tell it to launch your *Automator* app whenever a particular network is connected.

The bad news is that the WiFi sensing part broke in Snow Leopard. Luckily however, there is an unofficial patch linked on the main site that seems to fix the problem.

No accounting for taste…

Bill Gallop

Mac OS X is a multi-user operating system. Even if you're the only person that uses your Mac it will have other user accounts set up. When you first turn on your Mac and run through the setup assistant, OS X will create a user account for you. You will notice that when you try to install most software, make changes to *System Preferences* or run *Software Update* you are prompted for a user name and password. That is because OS X is a relatively secure operating system and wants to ensure that only authorised users make system-wide changes. If you go into *System Preferences*, select the **Accounts** preference pane and look under your user name you'll see that you're listed as an administrator. Being an administrator gives you the second-highest level of access and means that you can do most things.

However, shouldn't you have the highest level of access? A Mac can have more than one administrator amongst its users, so how do we control things that are more important? That's where the **System Administrator** or root account comes in. Before the Mac is ready for you to use it a lot of things have to happen, processes are launched and services enabled. All processes running on the Mac have to be started by someone, and in the case of the ones started at boot they are started by the **System Administrator** account.

> *"A Mac can have more than one administrator amongst its users so how do we control things that are important?"*

A benefit of the root account is that you're never asked for a password when you want to do something. That can be dangerous. If malware were able to compromise your account it would have access to do anything it liked. When you put your username and password into a dialog box as an administrator you are taking on the authority of root. This means you're warned that something needs the root level of access and you can decide if it is something that you intended to happen or something unexpected.

Going the other way, you can set a user up with a **Standard account**, there are more restrictions as to what a **Standard account** can do, and they cannot take on root's authority, so many users spend their time in a **Standard account**, only logging in as an administrator when they need to make changes. This can be more secure. **Standard accounts** are useful for younger users, as you can let them have some freedom but not too much.

Bill is Mac Solutions Consultant for Equanet (www.equanet.co.uk). Each month he will share his knowledge with you, from upgrading your operating system to the advantages of RAW files.

>> QUICK TIP

If you can't remember which category your *System Preferences* pane belongs in, you can reorganise the icons alphabetically in the **View** menu. Alternatively, the **View** menu already has an alphabetical list of preferences right there.

"Why can't I shut my Mac with Snow Leopard?"

Q **Since installing Snow Leopard on my 2009 15-inch MacBook Pro, I cannot shut down from the Login window, nor can my wife from her user account. We both have admin rights on each account and could shut down or restart by entering our user name and password before Snow Leopard was installed.**

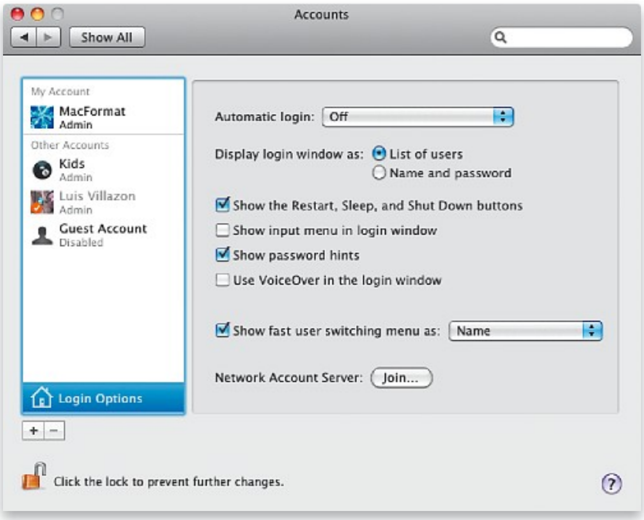
To try and work out what was happening, I created a test account with admin rights that can shut down from the Login window, as we used to be able to do with Leopard. It's not a huge problem as we can still shut our accounts down while in the account, or shut it down completely by using the test account (even though it's not active or logged in).

Howard Godkin

A It sounds as if you're talking about the fast user switching facility. If you have this enabled in the Login Options of the Accounts preferences, then you can have several users logged in simultaneously and switch between desktops by right-clicking the username that appears on the menu bar. When you try to shut down from the menu, OS X will warn you if there are any other users still logged in, because they will lose unsaved work if you shut down without giving them a chance to save first. To force a shutdown, it's necessary to enter a valid administrator account name and password in the warning dialog.

That brings us up to the present day. But what Apple forgot to mention is that with Snow Leopard, the account name field is now case sensitive and if you don't capitalise it correctly, it will just fail to shut down, without showing an error message. As if that wasn't perplexing enough, my initial tests suggest that it doesn't apply to all user names. For example, the account I have for my children ("Kids") doesn't need to be capitalised, even though it's capitalised in the Accounts preferences. Perhaps it only applies to user names that are more than one word?

Fast user switching saves you from closing apps to log into a different account.



Automatic login: Off

Display login window as: ● List of users ○ Name and password

☑ Show the Restart, Sleep, and Shut Down buttons

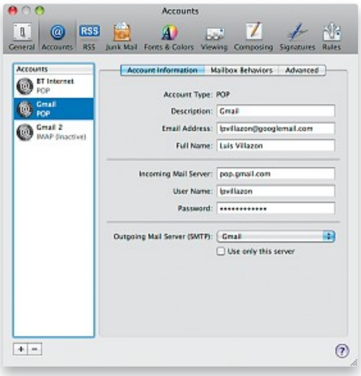
☐ Show input menu in login window

☑ Show password hints

☐ Use VoiceOver in the login window

☑ Show fast user switching menu as: Name

Network Account Server: Join...



Account Type: POP

Description: Gmail

Email Address: lpvillazon@googlemail.com

Full Name: Luis Villazon

Incoming Mail Server: pop.gmail.com

User Name: lpvillazon

Password: ••••••••••••

Outgoing Mail Server (SMTP): Gmail

☐ Use only this server

SMTP mail goes through your ISP's domain.

"Why won't Mail app send my messages out?"

Q **I've set up *Mail* with an account other than the .Mac account, which has now expired. My problem is that although *Mail* will receive incoming email from my Tiscali account, it won't send any mail out. I have to go to my Tiscali account, using *Safari* to send messages. I've double-checked all my settings and they are identical to the information received from Tiscali.**

Peter Jonz

A Are you actually connecting to the internet using Tiscali or a different ISP? Most providers will only allow you to send mail when you're connected up via their server – it's an anti-spam measure. So, for example, if you use T Mobile to connect from

>> MACFIXIT TIPS / iTunes 9 creating issues with AirTunes?

Some users who use *iTunes* to stream to external speakers wirelessly via *AirTunes* are finding that after upgrading to *iTunes 9* their *AirTunes* no longer works properly. A growing thread in the Apple Support Discussions has users communicating their experiences with the issue.

The issue begins when users with previous *AirTunes* setups upgrade their *iTunes* application to version 9 (currently 9.0.1.). ASD user Vengance reports:

"It's [*AirTunes*] connected once or twice, randomly. Most of the time it says 'An error occurred while connecting to the remote speaker [myairport's name]. An unkown error occurred (-15000).'"

There are many variables to examine when troubleshooting *AirTunes*. Be sure to have the latest firmware on your AirPort Express units and a stable backup of your data. Forum members report that using earlier versions of *iTunes* on other computers on their network saw no issues connecting and streaming to external speakers via *AirTunes*, so one option is to downgrade.

Other suggestions for fixes include disabling the iPv6 setting in your AirPort configuration. ASD user Joe-ri suggests trying the following:

1. Open *System Preferences*
2. Open the **Network** pane
3. Select **Airport** in the left list
4. Click the **Advanced** button
5. Go to the **TCP/IP** tab
6. Set the **Configure IPv6** field to **Off**
7. Click **OK**
8. Click **Apply**
9. Let *iTunes* connect to your *AirTunes* speakers

"Some users saw improved performance after going to System Preferences > Security > Firewall and toggling it on, then off again, and rebooting.

Users should also reset their network devices. Power-cycle your modem, router, and any AirPort Express units. Once everything has rebooted, check your *AirTunes* connections."

Troubleshooting Solutions for the Macintosh

Tips supplied by MacFixit.com

your laptop, say, or you're using WiFi to access a BT HomeHub, then your internet traffic will all be routed through that ISP before it reaches Tiscali. You will still be able to receive email from Tiscali but to send, you must either use the webmail interface (as you are doing currently) or configure *Mail* to send messages via the SMTP server of whichever ISP is hosting your connection.

>> MACFIXIT TIPS / Snow Leopard: Services menu hitch

Several users are experiencing issues with the **Services** menu in Snow Leopard not functioning properly. When the **Services** menu is accessed (via *Finder's* menu bar > Services) the menu reports that it is 'Building…' but never actually completes the build.

Apple Support Discussions user Christopher All reports:

"So, my services have all disappeared. When I try to access them via the menu, it says 'Building…' and never builds. Then, when I go to **Keyboard** under *System Preferences* and click the **Services** submenu, there's nothing there.

In another ASD thread, user xy22y has this suggestion:

"I had the exact same problem. I think I figured out what the culprit was, at least for me. There was a service called **ChineseTextConvertService** in **/System/Library/Services**. Once I moved that somewhere else, the symptoms went away, and *Finder* services and context menus started behaving again.

I don't know where the **ChineseTextConvertService** came from, but I don't need it, so deleting it was fine by me."

This suggestion may actually be part of a bigger suggestion, which is mentioned later on in the thread.

Users should check through their entire **Services** library (username > Library > Services) and also Macintosh HD > System > Library > Services, for any other **Services** that may come up as being incompatible with Snow Leopard.

If you are not entirely sure, you can move all the **Services** to a location on your Desktop. Add each one back to its appropriate folder and check the **Services** menu to see if it's functioning properly.

This issue may also relate to third-party programs such as *Growl* that have not been updated to be compatible with Snow Leopard. Users should check all such applications.

MacFixIt Troubleshooting Solutions for the Macintosh

Tips supplied by MacFixit.com

"Where have all my old printers gone to?"

Q **I cautiously installed 10.6 on one of the home network Macs (Intel Core Duo) and all was fine, except all the printers disappeared. Latest Lexmark drivers for the T620, as well as the T630 and C520 downstairs in the office, were installed after this disaster. Sadly, I'm now using IP printing, after resolving the security issues and firewall setting changes, as there are no more Appletalk options. I'm old fashioned, given that the network started with an LCII, a Classic and old Apple Stylewriter. However, until the change from 10.5 we still had a functioning Appletalk network for printing. Appletalk is still enabled on all the printers. I noted also that the Lexlink option disappeared. I know I shouldn't complain, after all I still have my printers. But I've decided against proceeding further with 10.6 until I can work out what else may be affected by it.**

Am I missing something here, or is Appletalk gone forever?

Ross Bills, Australia

A It's gone forever. I was going to add "I'm afraid" but actually, Apple's willingness to retire old technologies and protocols is part of what makes Macs more robust than PCs. Backwards compatibility always comes at a cost. Whether you pay in performance, resources, complexity or reliability, you will definitely pay one way or another for the freedom to use 15-year-old hardware.

If you're prepared to pay this price as well as spending some actual money, you can still get your older printers networked using hardware print servers. Netgear, Belkin and Linksys all sell these; they're just boxes with USB (and even parallel port) connectors for your printers and an Ethernet port to let you hook them up to your LAN. The print server then hosts a separate IP print queue for each attached printer. Your Mac thinks it's printing to an Ethernet enabled printer and your printer thinks it is directly connected to your Mac.

LEXMARK
T630

There are ways and means to get your old printers back on the network… at a price.

"Will hand-me-down RAM work on a MacBook?"

Q **I have a 2008 iMac (2.66GHz Core 2 Duo with 2GB DDR2 SDRAM) and since I'm upgrading to Snow Leopard, I've just ordered 4GB of new RAM (2x2GB).**

This leaves me with two 1GB chips. My son has a 2007 MacBook (2GHz with 1GB SDRAM); could I give him my old chips to upgrade his MacBook. My iMac chips are described as being 800MHz, whereas his current 1GB chip is described as 667MHz.

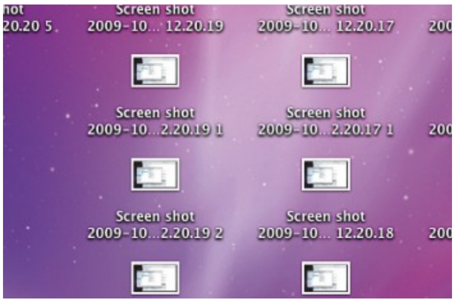
Philip Beaven

A Both Macs use DDR2 RAM so the modules are compatible. RAM doesn't run at a particular clock speed, the MHz rating is the maximum rate at which it handles read and write requests. If you put fast RAM in a slow slot, it gets accessed at less than its maximum capacity. Your son probably has two 512MB modules installed, rather than a single 1GB module; replace these with the two 1GB modules from your iMac.

>> QUICK TIP

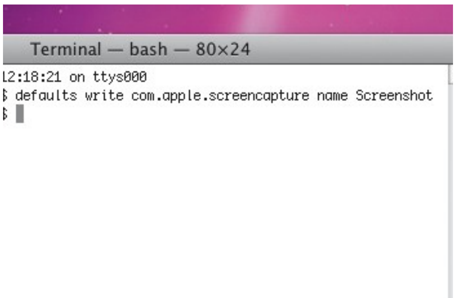
Even faster preferences! Leopard and Snow Leopard have keyboard shortcuts to the most commonly accessed preferences panes. Press ⌥ with one of the number keys. Exactly which preferences are launched depends on which keyboard you have, so experiment, but **Sound**, **Display**, **Exposé** and **Keyboard & Mouse** are all available.

HOW TO / Change screenshot names


Screen shot 2009-10... 12.20.19
Screen shot 2009-10... 12.20.17
Screen shot 2009-10...2.20.19 1
Screen shot 2009-10... 2.20.17 1
Screen shot 2009-10...2.20.19 2
Screen shot 2009-10... 12.20.18

01 New name format

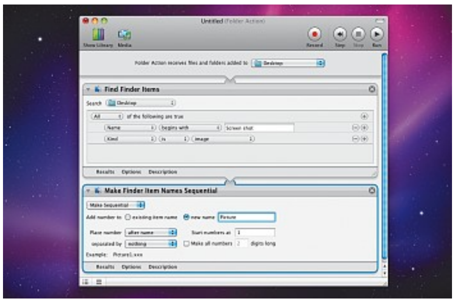
Snow Leopard changed the way that files are automatically named when you take a screenshot with ⌘+⇧+3 or 4. Instead of **Picture 1.png** or **Picture 2.png** etc, files now include the date and time they were taken, in the file name itself.



```
12:18:21 on ttys000
$ defaults write com.apple.screencapture name Screenshot
$ ▌
```

02 Duplicate dates

You can use *Terminal* to change the prefix of the filename with the command: `defaults write com.apple.screencapture name <new name>` The date and time will be on the end. However, this quickly gets cluttered and files have a time and date stamp anyway.



03 Automatically rename

To change that, create an *Automator* folder action to look for files beginning with "screenshot" in the **Desktop** folder and rename them. Then right-click the **Desktop** folder in your **Home** directory, and attach the workflow in Services > Folder Actions Setup.

QUICK TIP

If you right-click an application in the Dock, you can choose **Open at Login** (Options > Open at Login, if you're using Snow Leopard). This app will now load each time you log in to this user account.

"How can I play videos without my Mac closing?"

Q I run a 2.4GHz Intel Core 2 Duo and have just upgraded to Snow Leopard. However, when I wanted to run a video, it stated I needed *Flip4Mac*. As soon as I loaded it, the Mac closed down!

I restarted, and put in my password, and it took me directly to my Desktop as usual. However, this only showed for about three seconds, and then took me back to my login screen again, in a complete loop. I can't find a way back into my side of the computer. My son can go into the computer using his side, with everything working correctly.

Mike Blaxall

A Probably all that is happening is *Flip4Mac* is trying to load itself at login and either the app itself or the preferences for it are corrupted. Or possibly there's a conflict between this and something else that's loaded at login time. Test this by entering your username and password as normal, but hold the ⇧ key down before you actually log in. This will prevent OS X from running any of the applications in the login items list. If Snow Leopard starts correctly, open Accounts preferences and start eliminating login items until you find the conflict.

If disabling the login items isn't enough to successfully start Snow Leopard, your next move is to perform a Safe Boot. This time hold ⇧ down,

MACFIXIT TIPS / Freezes in Mac OS X 10.6 Snow Leopard

In a growing forum on the Apple Support Discussions site, several users express dismay over an issue with Snow Leopard continually freezing, especially after updating to 10.6.1. Discussion user accolon reports:

"It seems to me that **Spotlight** is the cause for the problem, or at least it's heavily involved. When I use **Spotlight** to start an app (by pressing ⌘+[Space] and entering something), the hard disk remains constantly active even after the search box has disappeared. If I ignore this, it takes a couple of minutes until the spinning beach ball begins to appear. At first it's only there for a couple of seconds, freezing just the app I'm using (e.g. *Safari*, no scrolling possible). After some time, the whole system freezes, and I can't do anything besides moving the mouse. Even my keyboard is dead while the ball spins for 30 seconds or more.

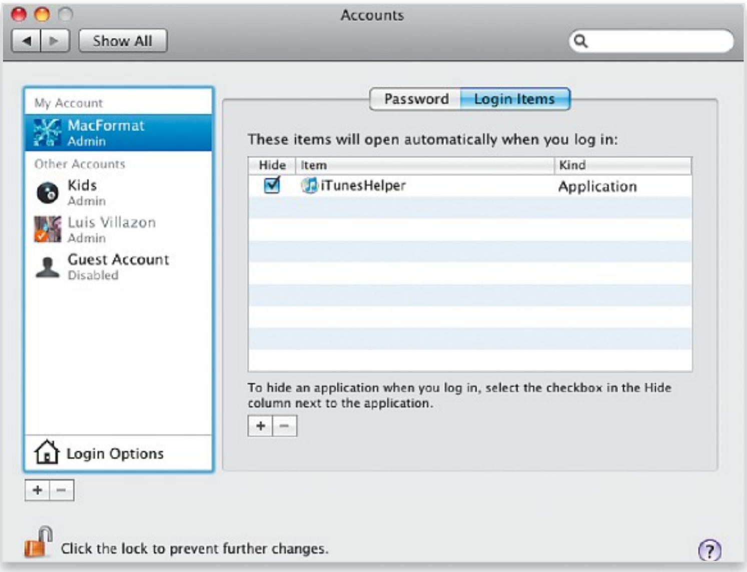
Attempting to solve the issue by rebuilding the **Spotlight** index offered no relief for the freezing. Other users report their freezes clearing if they wait - sometimes upwards of five minutes. Other programs that users find freezing include *Skype*, *Safari*, or when using music discs with *iTunes*".

Apple recently released *Performance Update 1.0* that was designed to solve hard drive issues on qualifying machines. Users in this forum with those machines report that it seems to have cleared the freezing issues. However, not all users experiencing the freezes are eligible for the update. Try using *Disk Utility* and running **Verify Disk** (and subsequently **Repair**, if necessary) on your hard drive. You should also be sure any third-party software you have running (especially applications that run in the background) are completely up to date and Snow Leopard compatible. Many believe that the issue could be related to Apple's WebKit standard, which drives applications such as *Safari* and *Mail*. The ominous "INSERT-HANG-DETECTED" error message is the most common thread in console logs from reporting users, and suggests some sort of network issue.

Tips supplied by MacFixit.com

MacFixIt, founded in 1996 by Ted Landau, has grown into the premiere destination for users seeking resolutions to bugs and conflicts. Visit **www.macfixit.com** for the latest Mac information.

MacFixIt
Troubleshooting Solutions for the Macintosh



These items will open automatically when you log in:

Hide	Item	Kind
☑	iTunesHelper	Application

To hide an application when you log in, select the checkbox in the Hide column next to the application.

Click the lock to prevent further changes.

Too many login items can cause conflicts when OS X starts.

right from the moment your Mac begins to boot. This disables login items but it also skips a lot of other things, such as non-essential kernel extensions and fonts.

Once you manage to get to the desktop, I would proceed by trashing *Flip4Mac* and its preference file, then reinstalling it.

"How do I set up Apple TV with my NAS drive?"

Q I've recently bought an Apple TV and I'm not sure how to set it up with my Buffalo LinkStation. I have lots of TV series, films and music stored on my Buffalo LinkStation NAS drive. I would like to use this drive as my location for *iTunes 9* on my iMac running OS X Snow Leopard and therefore play music, TV programmes and films on my Apple TV. I have set the drive as my location for my media files several times and it keeps reverting back to the local disk. Any ideas?
Kate Jones

A Using NAS disks for *iTunes* is still very much a technology that sounds easier in the press release than it actually is in practice.

For now, it seems that the only consistently reliable place to move your iTunes Library to is a disk attached to your Mac by USB or FireWire. I think in your case, it may be that *iTunes* is reverting to a local library if the NAS is in Sleep mode when *iTunes* starts. You could, of course, enable the *iTunes* server on the LinkStation itself, but it doesn't seem as if Apple TV will connect directly to the NAS.

A large part of the problem lies with the fact Apple TV and the Buffalo LinkStation are trying to do lots of the same things but all in slightly different ways. You could try simplifying your configuration a good deal by ignoring the network capabilities of the LinkStation and connecting it to your Mac as an ordinary external disk. Unfortunately, your Mac would then need to be turned on whenever you wanted to stream media to the Apple TV, which could be a huge inconvenience.

On the forum

Help and advice from readers

Q I have a G4 dual boot mirror running Tiger. I have put in three hard drives; would it be a good idea to run them as a striped RAID and if so what's the best way of doing this? Do I have to wipe the drives clean and then install Tiger?
Regards Robin Joined: 13 Mar 2004 Posts: 17 Location: Stevenage

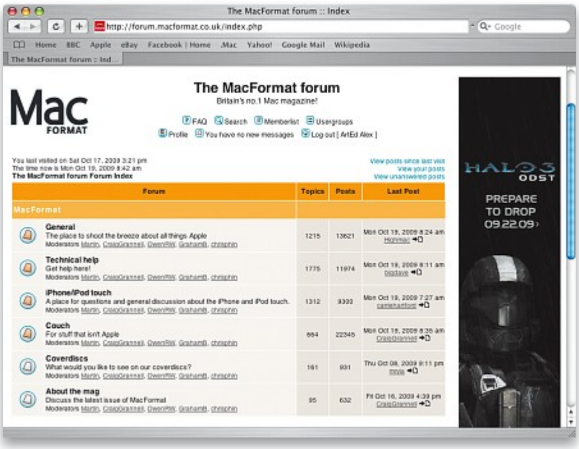
A If they are on the IDE bus, I don't think you'll get a significant speed increase but you will get a higher risk of a single HDD failure wiping your data. It's easy to set up with *Disk Utility* but clone your system onto one of your three drives and use RAID on the other two. Or use a FireWire enclosure to boot from, while you sort the RAID out. http://docs.info.apple.com/article.html?path=DiskUtility/10.5/en/duh1013.html.
Charlie_Croker Joined: 17 Nov 2005 Posts: 588

Q Does anyone know where the *Adobe Reader* for *Snow Leopard* is located please? Adobe states one is needed but there is not a 10.6 version on its website.
Bowerbird Joined: 19 Jan 2004 Posts: 132 Location: Corsham Wilts

A There isn't an *Adobe Reader* installed in Snow Leopard, but *Preview* is and can read PDFs. You could set all PDFs to open in *Preview* by default – in the Open With: section of the *Get Info* box on a sample PDF.
Leewave Joined: 17 Sep 2003 Posts: 2045 Location: Northern Lakes

Q I've bought a Mini DisplayPort to HDMI adaptor, which works fine, but wondered if anyone had any advice on screen resolution settings. I'd like the MacBook display to fill a 40-inch 16:9 Sony LCD TV, but none of the resolutions quite work. The picture doesn't fill the screen properly.
mr-gc Joined: 16 Oct 2009 Posts: 2

A Your HDTV should be able to show 1920x1080 (the full 1080 HD size). Make sure that your TV has overscan turned off though, or the edges of your picture will be cropped.
Future-Echoes Joined: 21 Jun 2003 Posts: 7102 Location: Essex, UK



The MacFormat forum
Britain's no.1 Mac magazine!

You last visited on Sat Oct 17, 2009 3:21 pm
The time now is Mon Oct 19, 2009 8:42 am
The MacFormat forum Forum Index

Forum	Topics	Posts	Last Post
MacFormat			
General The place to shoot the breeze about all things Apple Moderators Martin, CraigGrannell, OwenRW, GrahamB, chrisphin	1215	13621	Mon Oct 19, 2009 8:24 am
Technical help Get help here! Moderators Martin, CraigGrannell, OwenRW, GrahamB, chrisphin	1775	11974	Mon Oct 19, 2009 8:11 am
iPhone/iPod touch A place for questions and general discussion about the iPhone and iPod touch. Moderators Martin, CraigGrannell, OwenRW, GrahamB, chrisphin	1312	9333	Mon Oct 19, 2009 7:27 am
Couch For stuff that isn't Apple Moderators Martin, CraigGrannell, OwenRW, GrahamB, chrisphin	694	22345	Mon Oct 19, 2009 8:35 am CraigGrannell
Coverdiscs What would you like to see on our coverdiscs? Moderators Martin, CraigGrannell, OwenRW, GrahamB, chrisphin	161	931	Thu Oct 08, 2009 9:11 pm
About the mag Discuss the latest issue of MacFormat Moderators Martin, CraigGrannell, OwenRW, GrahamB, chrisphin	95	632	Fri Oct 16, 2009 4:39 pm CraigGrannell

Join our forum and join in the fun at
http://forum.macformat.co.uk

Because *the* image is everything...

PhotoRadar.com
The home of digital photography

"Positively futuristic… its gracefully curved shape sits nicely in the palm of your hand"

APPLE'S NEW MAGIC MOUSE ON REVIEW P87

In this issue...

HARDWARE

MacBook 13-inch 2.26GHz 84
iMac 27-inch 3.06GHz 85
Mac mini 2.53GHz 86
Amazon Kindle 2 86
Magic Mouse 87
Clickfree C2 Portable Backup 88
Altec Lansing MX6021 88
LaCie Starck Hard Drive 1TB 89
Belkin Conserve 90
Dot Com in a Matchbox 90
Digital Opera S5 90
Kensington SlimBlade 90

SOFTWARE

Parallels Desktop 5.0 92
VMware Fusion 3.0 92
Blurb BookSmart 95
Kaspersky Anti-Virus for Mac 95
Flying Meat Acorn 2.0 96
CameraBag Desktop 1.0 96
FolderGlance 2.5.5 96

iPHONE APPS

TimeTuner 98
Amazon Mobile UK 99
1Shoot 99
Trope 99
RedLaser 99

GAMES

BioShock 2 100
X3: Terran Conflict 101
Up 102
Beneath a Steel Sky 104
iBlast Moki 104
Orbital 104

GROUP TEST

Web browsers 106

techradar.com
For the largest online database of hardware and software reviews be sure to check out
www.techradar.com/reviews

Reviews

HARDWARE • SOFTWARE • iPHONE APPS • SHAREWARE • GAMES

Ian Osborne
Reviews Editor

We've three new Macs to show you this month. On page 84, there's the new version of Apple's entry-level notebook, the MacBook. On the next page we take a look at the stunningly huge 27-inch iMac, while on page 86, we test the latest release of Apple's small form factor computer, the Mac mini. But where will – and should – the Cupertino-based giant take them next?

The Mac with the most unrealised potential is clearly the mini. There's no reason why it shouldn't have the same 3.06GHz processor as the iMac, and we'd love to see a Media Centre Edition with HDMI output and a Blu-ray drive. Maybe specialisation is the future of the mini.

The 27-inch iMac offers some interesting new features like wall-mounting and video-in that we hope will trickle down to the 21-inch model.

Many MacBook Pro features have already trickled down to the entry-level MacBook. Maybe Apple's next step should be a new model with a smaller screen; an ultra-portable notebook running a streamlined version of OS X.

>> OUR LOGOS

Mac FORMAT Choice ★★★★★	A product that receives the MacFormat Choice award is the best in its class when reviewed.
Mac FORMAT Winner!	Used in our Group Tests, MacFormat Winner indicates the product that we feel stands out.
Mac FORMAT On the disc	This logo indicates there are either test versions or files associated with the review on the disc.

RATINGS EXPLAINED: ★★★★★ Excellent ★★★★☆ Very good ★★★☆☆ Good ★★☆☆☆ Adequate ★☆☆☆☆ Poor

>> ENTRY-LEVEL NOTEBOOK

Apple MacBook 13-inch 2.26GHz

£799 Enhancements trickle down from the MacBook Pro, but two established features disappear

CONTACTS

Manufacturer: Apple
www.apple.com/uk

SPECIFICATIONS

Processor: 2.26GHz Intel Core 2 Duo **RAM:** 2GB DDR3 **Hard disk:** 250GB **Ports:** 2xUSB **Optical drive:** SuperDrive **Display:** 13-inch LED widescreen **Graphics:** NVIDIA GeForce 9400M **Dimensions:** 2.7x33x23.2cm **Weight:** 2.13 kg

PROS & CONS

- ⊕ Internal seven-hour battery
- ⊕ Backlit LED screen
- ⊕ Unibody rigidity
- ⊕ Glass trackpad
- ⊖ No infrared for Apple Remote
- ⊖ No FireWire port

VERDICT

★★★★½

"A superb update that sees the MacBook move closer to the Pro family, but it's not without its flaws."

This new release of Apple's polycarbonate notebook sees several features from the Pro range trickle down to the entry-level model. The user-removable battery has gone, replaced by Apple's innovative internal version as used in the MacBook Pros. Making it non-removable saves on space previously taken up by housing and connectors, enabling Apple to offer a bigger, more powerful battery without adding to the weight or size of the notebook. The result? A battery that lasts up to seven hours on a single charge, and can be recharged up to 1,000 times before it wears out, which is about five years of typical use. When it finally dies, professional replacement at an Apple Store costs £99, which is a bargain considering it lasts three times as long as the old-style, user-replaceable MacBook batteries costing £97.

The new MacBook's chassis is moulded as a single unit with a rounded enclosure.

Housing benefit

The new MacBook is advertised as offering a unibody enclosure. Losing the seams and moulding its body as a single unit gives the notebook added rigidity, something that's further enhanced by the rubberised aluminium base plate. It certainly feels sturdier and more robust than its predecessors, which were prone to cracking at weak points either side of the trackpad. Only time will tell whether the new housing actually solves the problem, but we'd be surprised if it doesn't.

Two more features associated with the Pro range that have been incorporated into this MacBook release are the LED backlit screen and the glass trackpad. Happily, these are now standard across Apple's entire notebook range.

> *"It certainly feels sturdier and more robust than its predecessors, which were prone to cracking at weak points around the trackpad"*

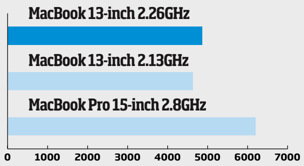
Component upgrades include a 250GB hard drive, up from 160GB in the previous version, and a 2.26GHz Intel Core 2 Duo processor instead of the 2.13GHz chip in the mid-2009 model. The Bluetooth antenna is routed into the display housing instead of being positioned – as previously – above the optical drive, which will likely improve its range.

We've a few complaints, however. The FireWire port has been removed, a bizarre decision considering the backlash caused by its removal from the briefly introduced aluminium MacBook. The infrared port's gone too, which means you can't control *iTunes* or *Front Row* using an Apple Remote. Elsewhere, there's no LED showing the battery's charge state, but that's no great loss, and although it's trickier to upgrade components, it's far from impossible. It's £50 more expensive too, but the additional features are worth the extra cost.

Overall, the late 2009 model represents an exciting and welcome upgrade for the MacBook. Gripes aside, Apple's entry-level notebook is moving in the right direction.

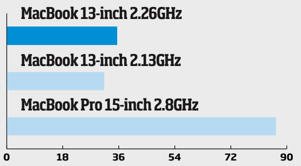
Ian Osborne

>> BENCHMARKS / How does the new MacBook stack up?



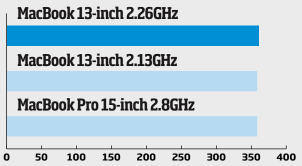
Cinebench (CBs)

Measures CPU and GPU performance as a single figure. Higher is better. Multi-core performance quoted.



Doom 3 frame rates (FPS)

Tested using *Doom 3's* 'timedemo 1' routine, set at 1,024x768 with settings at Ultra. Frames per second quoted. Higher is better.



iTunes encoding (seconds)

Ripping an audio CD at 128kb/sec AAC, auto sample rate, no VBR, using *iTunes*. The lower the time, the better.

>> DESKTOP MAC

Apple iMac 27-inch 3.06GHz

£1,349 The latest release of Apple's all-in-one computer enjoys several key improvements

With the 27-inch model, you're not short of screen space!

The new iMac range boasts four standard configurations. We tested the second-most expensive model, which has a massive 27-inch screen, an Intel 3.06GHz Core 2 Duo processor, a 1TB hard drive and an ATI Radeon HD 4670 graphics processor with 256MB of memory. Three of the four new iMacs offered the same 3.06GHz CPU, with the top-of-the-range model giving you a quad-core 2.66GHz Intel Core i5 processor, upgradeable to a 2.8GHz Core i7 at the Apple online store. We expect these new chips will filter down throughout the Mac range over time.

The new iMac's glossy screen offers an edge-to-edge glass design, with no surrounding aluminium bezel. Unlike the MacBook Pro range, there's no custom option for a matte screen, which is far less susceptible to glare from lights and windows. The display is of a very high quality, but it falls short of perfection. Its viewing angles and colour reproduction are impeccable, but the LED backlighting isn't as consistent as it might be, showing a very slight dark area at the foot of the screen and a little edging during our single-colour tests.

> *"The display's viewing angles and colour reproduction are impeccable, but the LED backlighting isn't as consistent as it should be"*

Duck and cover

In our benchmarking tests, the new iMac performed very well in most areas, offering a small speed increase over the 2.93GHz, 24-inch iMac we tested earlier this year in our rendering tests. In our *Doom 3* test it really shone, with a frame rate of 122.8 frames per second at the highest graphics settings. It looks glorious too. When a Cyberdemon throws a fireball from the display, you can almost feel your eyebrows burn.

The new iMacs don't have a Blu-ray drive as standard because Apple "doesn't see any great consumer demand" for them, but we're disappointed to see it's not even available as a custom option. We were even more disappointed to find the optical drive appears to be slower than in previous releases. For several months, every new Mac has taken 358 seconds to encode our test CD in *iTunes*, with the speed of the optical drive the limiting factor. Yet the new iMac scored a slothful 418 seconds – that's a full minute slower.

A couple of new features are only available on the 27-inch models. A Video-in port enables the iMac to be used as an external display (but only with the Mac switched on), while the new iMacs also support wall mounting using the VESA standard. All the systems in the new range can be expanded with up to 16GB of onboard RAM, and come with a Magic Mouse and Bluetooth small-form keyboard as standard. If you prefer a USB keyboard with a numeric keypad, this option is available on the online store.

Ian Osborne

CONTACTS

Manufacturer: Apple
www.apple.com/uk

SPECIFICATIONS

Processor: 3.06GHz Intel Core 2 Duo **RAM:** 4GB **Hard disk:** 1TB 7200rpm SATA **Ports:** 4x USB, 1x FireWire, 1x SD Card **Optical drive:** Slot-loading SuperDrive **Display:** 27-inch, LED-backlit, 16:9 ratio **Graphics:** ATI Radeon HD 4670 with 256MB of GDDR3 memory **Dimensions:** 51.7x65x20.7cm **Weight:** 13.8 kg

PROS & CONS

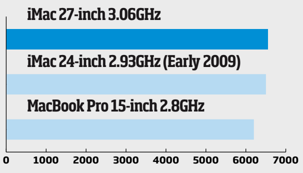
- ⊕ Impressively large screen
- ⊕ Expanded RAM capacity
- ⊕ Can be wall-mounted
- ⊕ Can be used as external display
- ⊖ No Blu-ray option
- ⊖ No matte screen option

VERDICT

★★★★☆

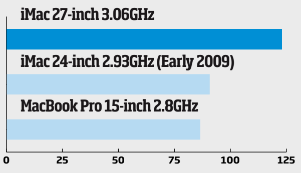
"A very welcome and extremely capable update for Apple's classic desktop, though there's still some room for improvement."

>> BENCHMARKS / How does the 27-inch iMac stack up?



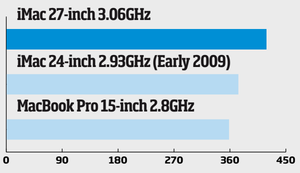
Cinebench (CBs)

Measures CPU and GPU performance as a single figure. Higher is better. Multi-core performance quoted.



Doom 3 frame rates (FPS)

Tested using *Doom 3's* 'timedemo 1' routine, set at 1,024x768 with settings at Ultra. Frames per second quoted. Higher is better.



iTunes encoding (seconds)

Ripping an audio CD at 128kb/sec AAC, auto sample rate, no VBR, using *iTunes*. The lower the time, the better.

>>SMALL FORM FACTOR MAC

Apple Mac mini 2.53GHz

£649 Apple's small form factor machine gets an incremental upgrade

CONTACTS

Manufacturer: Apple
www.apple.com/uk

SPECIFICATIONS

Processor: 2.53GHz Intel Core 2 Duo **RAM:** 4GB **Hard disk:** 320GB **Ports:** 1x FireWire 800, 5x USB 2.0 **Optical drive:** SuperDrive **Graphics:** NVIDIA GeForce 9400M

PROS & CONS

- + No price increase
- + Boosted processor and RAM
- − It should be cheaper
- − Needs HDMI output

VERDICT

★★★½☆

"A welcome incremental upgrade, but the Mac mini is still capable of more."

The Mac mini has huge potential, but to date, that potential has not been realised. It's the cheapest way to buy a Mac but it isn't powerful enough to appeal to switchers, and it's been shamefully underexploited as a media centre. This new release does little to change the situation, but at least it offers an incremental increase in power.

We reviewed the higher-end Mac mini, boasting a 2.53GHz processor and 4GB of RAM. In our thorough benchmarking tests, *Cinebench's* video rendering ran 17.9% faster than a 2.0GHz Mac mini from early 2009, but *iTunes* encoded our test CD in 473 seconds, which is disappointing as it's almost exactly the same speed, and most new Macs manage it in under 360 seconds. *Doom 3* ran at 41.6 frames per second, which is also almost unchanged. Thankfully, however, there's been no price increase since the previous release either.

The Mac mini could do more, but it's getting more powerful.

A lot of people use Mac minis as servers, so Apple has also released a new version specifically for this purpose. The Mac mini with Snow Leopard Server is based on the high-end mini, but the optical drive has been replaced with a second hard drive. Both drives are 500GB, giving you 1TB of storage in total. Snow Leopard Server Edition is preinstalled and the full package costs £799, which is very good value for money considering the server OS costs £399 when bought separately. This standard Mac mini looks expensive in comparrison.

Perhaps the next release of the Mac mini will bring us a Media Centre Edition, with HDMI output and an optional Blu-ray drive?

Ian Osborne

>>EBOOK READER

Amazon Kindle (US edition)

$259 (£155) "Golly, that iPod thingy was quite successful, wasn't it? Would it work for books?"

CONTACTS

Manufacturer: Amazon
www.amazon.com

SPECIFICATIONS

Screen: 6-inch, 600x800 pixel E Ink, 16 levels of grey **Connectivity:** USB 2.0, 3G **Storage:** 2GB (1.4GB accessible), not expandable

PROS & CONS

- + Very readable screen
- + Epic battery life (many days)
- − Limitations outside the US
- − Documents require conversion

VERDICT

★★★½☆

"Even book sniffers might love the Kindle. But wait for the UK version."

Though it uses the same E Ink technology as the ebook readers from Sony, iRex, Hanlin and others, Amazon's ebook, the Kindle, is a bit special. It has a 3G connection built in so that, without having to hunt for a WiFi hotspot or even muck about downloading books on your Mac then sideloading them to another device, you can shop directly from Amazon. There's no contract – Amazon pays the data fees.

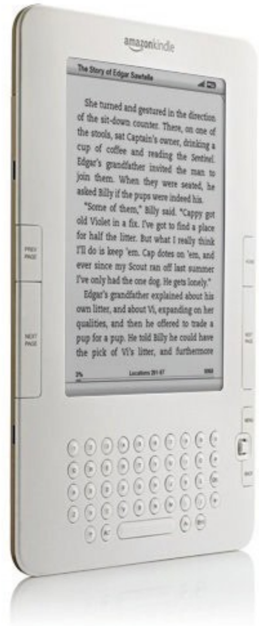
In fact, that's part of the problem. This is not a true UK product; it's the international edition of a US product. You buy it from Amazon.com – it's around £205 once you've added shipping and import duties – but there are limitations. You shop for DRM-protected books and newspapers from Amazon.com too, but sadly, though there are many tens of thousands of books available, it's still a subset of the range available to the US. As deals are made with UK publishers, more books will appear, but there are glaring omissions now.

Because you're roaming with this device, Amazon removes pictures from newspaper subscriptions, and while you may access Wikipedia on the web browser, that's the only permitted site.

The hardware itself, however, is lovely. It's small, relatively light and beautifully built, and the E Ink screen, while lacking contrast compared to an LCD, is fantastically readable. While it lacks books' individuality and charm, it adds features such as the ability to annotate and search ebooks, and look up words in a dictionary.

It's a good device. Not yet great, but good. Brits, however, should wait for a proper UK launch.

Christopher Phin



E Ink is designed to make reading easy on the eye.

Finally, Apple has made a mouse that looks as good as a Mac.

Photography by Jesse Wild

>> INPUT DEVICE

Apple Magic Mouse

£55 Apple has reinvented the mouse yet again, and this time Multi-Touch is on the agenda

Apple's new Magic Mouse looks positively futuristic; its gracefully curved shape sits nicely in the palm of your hand, inviting you to use its big selling point – Multi-Touch gestures.

Despite the new tech under the surface, you still mouse around your desk as normal to position the cursor, but instead of scrolling within windows by turning a click-wheel or trackball, you simply drag a single finger up and down the surface of the mouse to scroll, like the two-finger scroll gesture on a MacBook's trackpad. You have complete 360-degree freedom for scrolling within documents and windows, which is handy when zoomed into large images in *Photoshop*.

You can also use a flick gesture to scroll up and down lists in programs such as *iTunes*, which gently come to a stop, just like they do on the iPhone when you flick up and down. There's also a two-finger side-swipe gesture you can use within programs such as *iPhoto* to move forward and backward between photos, or in *Safari* to move between web pages. Some people seem to find this gesture uncomfortable, but we found it came to us quite naturally.

The top of the mouse functions as a button, so you can click anywhere in the top two-thirds to select, although the top right-hand area can be reserved for selecting preferences.

> *"The top of the mouse functions as a button, so you can click anywhere in the top two-thirds to select"*

And here we encounter the first problem with the Magic Mouse – the lack of buttons. The Mighty Mouse had five in all, and Mac users have got used to activating *Dashboard* and *Exposé* through them. Take that functionality away and, despite its gestures, the Magic Mouse starts to feel a little basic. We were also disappointed that there's no pinch gesture, but you can zoom into your screen by holding the ctrl button on the keyboard as you gesture.

The Magic Mouse is Bluetooth only, so there are two AA batteries within, which actually give it a nice weight. In fact, as a piece of design, we love it. Despite the lack of buttons, it's the best mouse Apple has ever produced. **Graham Barlow**

CONTACTS

Manufacturer: Apple
www.apple.com/uk

REQUIREMENTS

Bluetooth-enabled Mac, OS X 10.5.8 or later with Wireless Mouse software update 1.0, or Mac OS X v10.6.1 or later with update 1.0, two AA batteries (included)

PROS & CONS

- ⊕ Multi-Touch gestures
- ⊕ Beautifully designed
- ⊕ Wireless simplicity
- ⊖ Limited buttons

VERDICT

★★★★☆

"Without a doubt, this is the best mouse Apple has designed to date."

>> BACKUP DRIVE

Clickfree C2 Portable Backup 250GB

£105 Clickfree's easy-to-use back-up system gets a welcome upgrade

Clickfree C2 Portable Backup comes supplied with a dock.

CONTACTS

Manufacturer: Storage Appliance Corporation
www.clickfree.com

SPECIFICATIONS

Capacity: 250GB, 320GB, 500GB
Hard disk form factor: 2.5 inch
Interfaces: USB 2.0

PROS & CONS

- + Spectacularly simple
- + Back up iPods and iPhones
- + A host of new features
- – OS X 10.5 or later only

VERDICT

★★★½☆

"The ability to back up iPods and iPhones crowns a great new feature set."

Clickfree's Automatic Backup system has undergone some changes since Issue 209's review. It still incrementally backs up more than 400 file types, including images, music, emails, documents, spreadsheets and more, and still updates automatically simply by plugging it in. But this new release adds a host of new features. A redesigned interface incorporates a search facility that also summarises new and changed files. It has a built-in USB cable, and is supplied with a dock. Your backed-up data can be secured using 256-bit encryption, which is great if you back up more than one account. Previously, backed-up files were accessible by every user.

Arguably its most exciting new feature is the ability to back up your iPod or iPhone's music files onto the Clickfree drive, or your Mac's internal or external hard drive. You can automatically import them into *iTunes* too if you wish. Artist, album and track titles are preserved, though in our tests, carrying over the cover art is a bit hit and miss. You can back up old-style FireWire-charged iPods as well as USB models, but they have to be connected to your Mac via a USB cable. The new features are just as easy to use as the old ones, and the new interface is a little more intuitive than the old, but not radically different.

Overall it's a superb tool that would earn an *MacFormat* Choice award if it worked with pre-Leopard versions of OS X, which don't feature *Time Machine*.

Ian Osborne

>> SPEAKER SET

MX6021 Expressionist ULTRA 2.1

£256 Does this powerful set of speakers represent good value for money?

If you prefer the modern look, the Expressionist ULTRA should satisfy.

CONTACTS

Manufacturer: Altec Lansing
www.alteclansing.com

SPECIFICATIONS

Drivers: 3-inch midrange, 1-inch neodymium tweeter **Maximum output:** 200 Watts **Frequency response:** 40Hz-20kHz **Inputs:** Aux in jack, RCA adaptor

PROS & CONS

- + Heaps of power
- + Clear, well-balanced sound
- – Expensive
- – Bass distorts at higher volumes

VERDICT

★★★½☆

"A capable system, but we think it's over-priced for what you get."

Altec Lansing's Expressionist ULTRA 2.1 speaker set is an excellent mix of form and function. For deep bass, a long-throw 6.5-inch subwoofer is built into an imposing, industrial-inspired wooden trapezoidal design. The satellite speakers look good too, with 3-inch midrange woofers and 1-inch neodymium tweeters housed behind smoky-grey Perspex fascias. It's great to see a product that celebrates its technological heritage rather than hiding it away or disguising it as something else.

The system is supplied with a handy wired controller unit, from which you can it switch on or off and control the volume, treble and bass. It also houses 3.5-inch jack ports so you can connect a pair of headphones for private listening, and auxiliary audio units such as MP3 players, CD players or games consoles. It's much more convenient than ferreting around behind the subwoofer unit. Although designed with the computer user in mind, it could be just as at home around your TV or as part of your sound system.

The Expressionist ULTRA is clearly built for power, and it delivers. The bass distorts a little at very high volumes, but it fills a decent-sized room long before distortion sets in. Sound quality is high, with crystal clarity and balance. There's some hissing when it's on but inactive, though it's nothing too problematic. More worrying is its price. £250 is too expensive, even for this decent set.

Ian Osborne

LACIE
by STARCK

The LaCie Starck was conceived and realised by world-renowned industrial designer Philippe Starck.

Photography by Joby Sessions

>>EXTERNAL HARD DRIVE

LaCie Starck 1TB Hard Drive

£77 Can an external hard drive ever be a true object of desire?

External hard drives can be a mundane product, but this collaboration between peripherals manufacturer LaCie and world-famous industrial designer Philippe Starck seeks to buck the trend, with a device that's as beautiful as it is functional.

The LaCie Starck features a sturdy aluminium casing with mirrored metal front and rear panels. Starck himself describes it as "a symbol of strength mastered, of freedom guided, of incandescent magma heeding to the form of its cast." The less pretentious might compare it to a shiny pebble in a metal box. Yet it's not just for looks. The drive's build does much to keep the operating temperature down.

Instead of a standard LED to indicate the drive state, Philippe Starck's signature cross symbol is projected onto your desk in front of the unit. The front panel is touch-sensitive, activating shortcuts that launch an application of your choice, open a file or folder, or trigger a custom action such as mounting or unmounting the drive, or launching LaCie's *Desktop Manager* software. *Intego Backup Assistant* is also bundled. When you first connect the drive, a wizard guides you through a formatting procedure, giving genuinely useful advice about which file format you should choose and why. This is very useful for the less experienced computer user.

> *"The front panel is touch-sensitive, activating shortcuts that launch an app of your choice"*

In our tests, the drive averaged random read speeds of 11.6MB/s, with random writes of 18MB/s. Sequential read and write speeds were 29MB/s and 22.2MB/s respectively. These figures place this device at the fast end of what you'd expect from a USB 2.0 drive, but they're not extraordinary. Only USB connectivity is offered, so it can't benefit from FireWire speeds.

The Starck is inexpensive given its pedigree. It's currently just £77 on Amazon, which is only about £10 more than the site's cheapest 1TB external hard drives. Its aesthetics may not be for everyone, but its top features, performance and build quality make it great value for money.

Ian Osborne

CONTACTS

Manufacturer: LaCie
www.lacie.com/uk

SPECIFICATIONS

Capacity: 1TB **Hard disk form factor:** 3.5-inch **Interfaces:** USB 2.0 **Dimensions:** 19.5x11.5x5.2cm **Weight:** 1.38kg

PROS & CONS

⊕ Effectively dissipates heat
⊕ Designed by Philippe Starck
⊕ Great additional features
⊖ USB only - no FireWire support

VERDICT

★★★★☆

"Useful features and agreeable aesthetics. A fine drive at a great price."

01
02
03
04
BELKIN
Kensington

>> SURGE PROTECTOR

Belkin Conserve

£33 www.belkin.com/uk

01 This eight-port power strip with surge protection makes it easy to switch off unused power points. Six of the eight power points can be turned on or off using a hand controller, while the other two are always on, for devices you never turn off such as a router or clock radio. The power strip has a built-in cable tidy, and the hand controller is supplied with a useful wall-mountable caddy.

By switching off appliances at the power strip instead of allowing them to consume stand-by energy, you save money on your electricity bills.

Ian Osborne

VERDICT

★★★½☆

"A useful device that protects your electrical equipment and saves you money."

>> WEB DOMAIN

Dot Com in a Matchbox

£10 www.mrsite.co.uk

02 What a clever idea. Dot Com in a Matchbox, from the people who brought you the *Mr Site* web-building app, gives you a unique activation code that enables you to register an internet domain name for a year. An available domain ending in .com, .net, .org, .biz, .info, .co.uk and .org.uk can be registered.

It makes a neat gift, giving someone a domain for a year, but it's also something to open on the big day, be it Christmas, a birthday or whenever. There are cheaper ways of registering a domain, but the £10 asking price isn't particularly excessive.

Ian Osborne

VERDICT

★★★½☆

"An agreeable way of giving a domain registration as a gift for that special occasion."

>> WIRELESS BUDS

Digital Opera S5

£85 www.wirefreehifi.com

03 By plugging the S5's wireless transmitter into your iPod or iPhone, you can wirelessly beam your sounds to the earbud set using the 2.4GHz band. It has a range of about 32 feet, and up to four users can listen to the same sound stream.

The Digital Opera S5s are comfortable and offer a rich, balanced sound. It's great to listen to your tunes without worrying about your iPod falling out of your pocket or the cables getting snagged or tangled. There was some interference around electrical equipment, but overall, they performed well.

Ian Osborne

VERDICT

★★★★☆

"A great way to enjoy wireless music without compromising on sound quality."

>> TRACKBALL

Kensington SlimBlade

£90 www.kensington.com

04 This stylish trackball offers some interesting features. Rotating the ball scrolls your current window up and down, replicating a mouse's scroll wheel. Left- and right-click buttons are within reach at the foot of the unit, and two further buttons toggle View and Media Modes. View Mode enables you to scroll your current window horizontally and vertically, while twisting it zooms in and out. Media Mode turns the device into a media controller, enabling you to adjust volume, pause and play or skip to the next track. It works well, if you don't like mice.

Ian Osborne

VERDICT

★★★☆☆

"A capable trackball controller, if you find mice aren't your sort of thing."

SUBSCRIBE

All your Apple needs
Mac FORMAT
SNOW LEOPARD UNLEASHED!
101 BEST-EVER Mac Tips
NEW NANO: THE VERDICT
Snow Leopard
WHY YOU'LL LOVE THE MULTI-TOUCH MAGIC MOUSE
The 20 biggest Mac problems SOLVED!
APPLE'S DECADE OF INNOVATION
iPhoto The Ultimate Guide
84 PAGES OF ADVICE!

INTERNATIONAL SEASONAL OFFER

Massive savings

when you subscribe using this exclusive seasonal offer today!*

- Get every issue delivered to your home or workplace wherever you are in the world!
- Get 13 issues a year of troubleshooting advice and reviews of all the latest Apple kit
- Never miss an issue

MACFORMAT PRICES

Europe £67.32 **Save £100!**

Rest of world £81**

www.myfavouritemagazines.co.uk/mfc/2345
or call 0844 848 2852 / +44 1858 438794
and quote **2345**

From the USA or Canada?

Only $110 for 13 issues or $27.50 by quarterly Continuous Credit **Save $97.87!**

www.imsnews.com/macformat-2345
or call toll-free on 1-800-428-3003 and quote **2345**

Terms and Conditions

*Savings based on buying 13 issues from newsstand. **ROW do save money, but have no set newsstand price therefore we can't advertise amount saved. UK, EU & ROW pay GBP. USA & Canada pay USD. Minimum subscription term is 12 months. Your subscription will start from the next available issue. You will receive 13 issues of *MacFormat* a year. If at any time during the next 60 days you are dissatisfied in any way, please notify us in writing and we will refund all unmailed items. Offer ends 31 January 2010.

>> VIRTUALISATION HEAD-TO-HEAD

Parallels Desktop 5.0 VMware Fusion 3.0

The two heavyweights of virtualisation fight it out for supremacy

PRICES

Parallels Desktop
$79.99 (£54), upgrade $39.99 (£27)
VMware Fusion
£59.99, upgrade/crossgrade from VMware Fusion 2 £34.99

CONTACTS

Developer: Parallels Desktop
www.parallels.com
Developer: VMware Fusion
www.vmware.com

REQUIREMENTS

Parallels Desktop
Processor: Intel Mac **OS:** Mac OS X 10.4.11 or later **RAM:** 1GB **Disk space:** 450MB+ hard drive space
VMware Fusion
Processor: Intel Mac Mac **OS:** Mac OS X 10.5.8 or later **RAM:** 1GB **Disk space:** 700MB+ hard drive space

PROS & CONS

Parallels Desktop
⊕ Impressive speed
⊕ Strong graphics support
⊕ SmartSelect file association
⊖ Confusing view options
VMware Fusion
⊕ Streamlined, sleek interface
⊕ Decent full-screen mode
⊕ Great application menu
⊖ Slower than Parallels

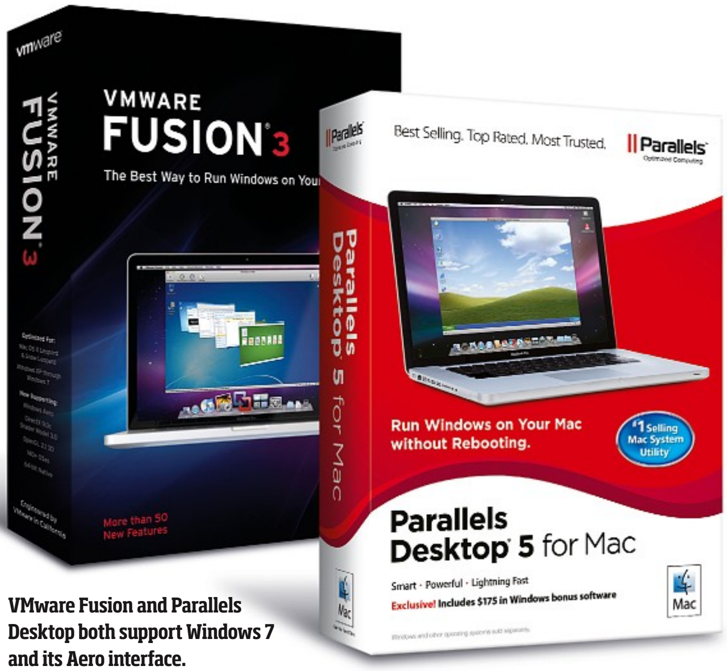
VERDICTS

Parallels Desktop
★★★★☆
"Fast with good graphics support, but a little awkward and intrusive."

VMware Fusion
★★★★☆
"Polished and highly usable, but slightly slower than its rival."

When Apple transitioned to Intel chips, running Windows in a virtual environment suddenly became viable. Gone were the days of Windows in a window being akin to operating system treacle; instead, Macs with sufficient free RAM could run Microsoft's finest at near-native speeds. *Parallels Desktop* was the first application to take advantage of this, followed by *VMware Fusion*, and the two products have traded blows ever since. Now, *Parallels Desktop 5* and *VMware Fusion 3* have been released almost simultaneously; both offer improved support for Snow Leopard, claim to be more Mac-like, and have new features to encourage you to switch or upgrade.

We're dealing with mature applications here – both *VMware Fusion* and *Parallels Desktop* are feature-rich and fairly robust. Interestingly, the two apps have increasingly matched each other's innovations during recent revisions, and in a broad sense, *Parallels Desktop* and *VMware Fusion* are now very similar products, with an awful lot of overlap in their feature sets.



VMware Fusion and Parallels Desktop both support Windows 7 and its Aero interface.

Desktop integration

Both offer user-friendly launch windows and migration tools that performed admirably during testing, shared Mac and Windows profiles, snapshots (see box opposite), plenty of customisation options, the ability to define keyboard triggers for Windows shortcuts and keys, automatic networking, a means of opening email or web pages in an app (Mac or Windows), excellent plug-and-play for USB devices, and three main viewing modes: windowed, full-screen and one that attempts to integrate Mac and Windows apps.

Windowed and full-screen modes work similarly in both apps. Resizing the window automatically updates your Windows resolution without you having to mess around with the Control Panel, and full-screen can be run on your main monitor or triggered after moving a virtual machine window to a second display. In full-screen mode, *Parallels Desktop 5* now matches *VMware Fusion* in that it finally offers multiple-monitor support, but *VMware Fusion* edges ahead by adding an optional toolbar that enables application settings to be accessed. Said menu can be pinned to any screen edge, which saves you having to exit full-screen mode to amend settings.

The bulk of interface changes to both applications appear in the unified modes, which try to make the experience of using Windows apps more Mac-like. However, this isn't without its problems. *Parallels Desktop* has had the most major updates in this area. Along with Coherence mode, you now get Crystal, which places the Windows application's name in the menu bar and moves *Parallels Desktop's* options to a menu-bar extra.

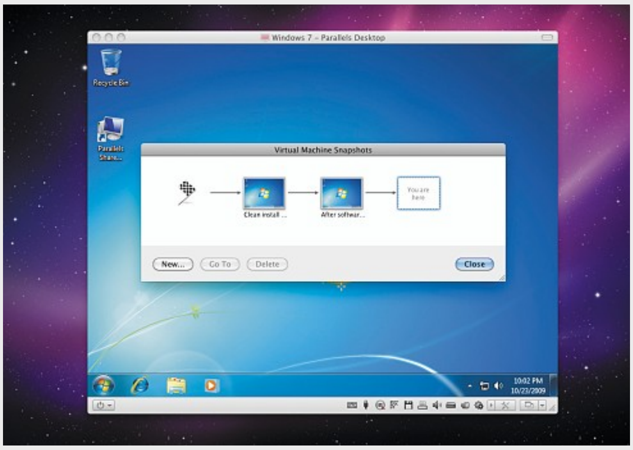
This in itself is a smart move, although why this feature wasn't rolled into Coherence mode is beyond us – the extra view option seems pointless and unnecessary clutter. What wasn't a smart move, though, was aping Mac components but not their functionality. It's unsettling that pressing ⌘+Q to quit a Windows app – as per the option displayed in a

> *"Parallels Desktop and VMware Fusion are now very similar products, with an awful lot of overlap in their feature sets…"*

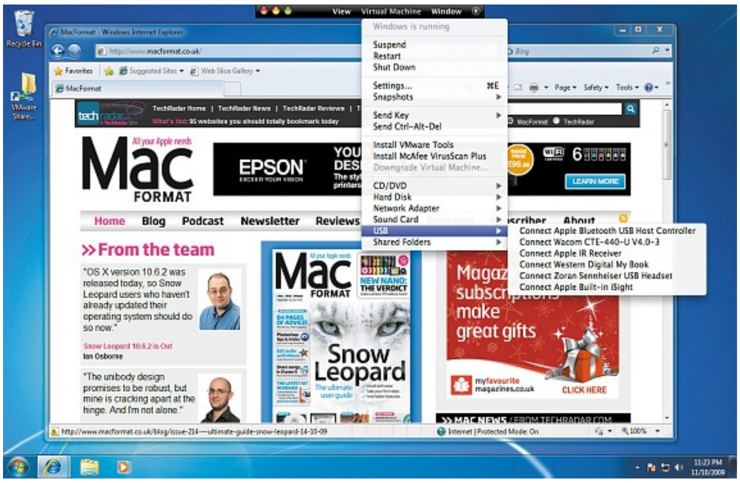
SAFETY FIRST / Backups and snapshots

Windows is more robust than many Mac users realise, but things can (and do) go wrong. Luckily, both *Parallels Desktop* and *VMware Fusion* offer snapshots, which are essentially saved states of your virtual machine that you can 'roll back' to at any point.

Each app also enables you to automate the process – *VMware Fusion* via **AutoProtect** in its **Snapshots** dialog and *Parallels Desktop* via the **SmartGuard** settings in the **Options** tab of your virtual machine's configuration dialog. Functionally, the two apps are equals, enabling you to define the time between snapshots and how many to keep. *VMware Fusion's* interface is a tad cleaner, but *Parallels Desktop* shows the path to each snapshot, which could prove handy if you know a certain install caused things to go wrong. It's also possible to manually back up virtual machine files in *Finder*. You can find the location of a virtual machine by ctrl-clicking it and selecting **Show** in *Finder* from either *Parallels'* **Virtual Machines** or **Virtual Machine Library** in *VMware Fusion*.


Windows 7 – Parallels Desktop
Recycle Bin
Virtual Machine Snapshots
Clean install
After softwar...
You are here
New...
Go To
Delete
Close

Both apps enable manual and automated snapshot backups to be taken.


Windows is running
Suspend
Restart
Shut Down
Settings...
Snapshots
Send Key
Send Ctrl-Alt-Del
Install VMware Tools
Install McAfee VirusScan Plus
Downgrade Virtual Machine...
CD/DVD
Hard Disk
Network Adapter
Sound Card
USB
Shared Folders
Connect Apple Bluetooth USB Host Controller
Connect Wacom CTE-440-U V4.0-3
Connect Apple IR Receiver
Connect Western Digital My Book
Connect Zoran Sennheiser USB Headset
Connect Apple Built-in iSight

In full-screen mode, Fusion offers an optional toolbar to access virtual machine settings.

Crystal view application menu – triggers a quit action for *Parallels Desktop* itself. Similarly, hiding doesn't work as you'd expect – ⌘ + H is labelled as normal, but the shortcut does nothing, although selecting the option directly from the application menu 'hides' the app by minimising it. *Parallels Desktop* also offers MacLook, a custom Windows skin that tries to make your Windows apps more Mac-like, but the result is messy and actually uglier than the default Windows 7 skin.

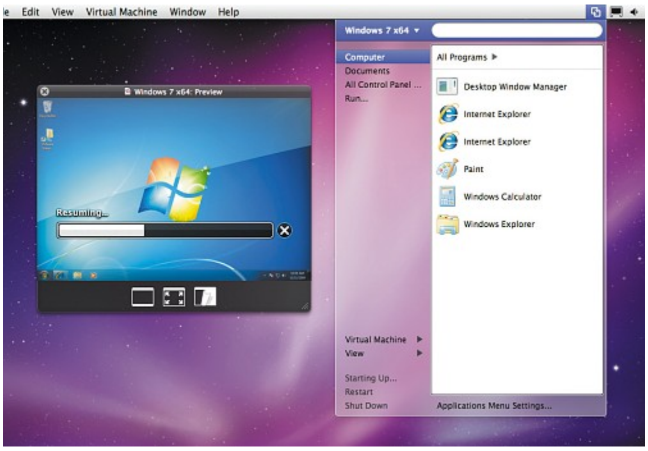
VMware Fusion's attempts to integrate Windows and Mac apps are less pronounced, but more successful. Its Unity mode also offers a Mac-like menu bar for Windows apps, but ⌘ + Q works as expected, as does *Exposé* (which doesn't work at all in *Parallels Desktop*, instead causing apps to vanish). Annoyingly, though, trying to hide one Windows app in *VMware Fusion* instead hides the lot, and when you're using Windows 7's Aero theme in Unity mode, you can see the Windows desktop 'behind' the glassy windows, which is off-putting.

The need for speed

Both applications largely make up for interface and Mac integration shortcomings with performance and efficiency gains. Each offers support for OpenGL 2.1 (although *VMware Fusion* 'defaults' to OpenGL 1.4 in Windows 7), the Windows 7 Aero interface and speed boosts. *VMware Fusion's* memory footprint is reduced, and its graphics support is improved, but *Parallels Desktop* takes the lead regarding speed and graphics. We ran tests suspending and resuming virtual machines, launching apps, and working with games and software, and *Parallels Desktop* came out on top every time – often by some margin. With graphics, neither app was perfect, but games worked better in *Parallels Desktop*, and we noticed less 'tearing' when moving windows about in *Parallels Desktop's* Coherence mode than in *VMware Fusion's* Unity.

These gains are offset by quirks each application exhibits. Both use multiple processes, which don't always behave as expected. When idling, *Parallels Desktop* grabs at least 2% of your CPU, although this is a marked improvement over previous versions and will be less noticeable on powerful Macs. *VMware Fusion* is better behaved in this regard, although we had incidents where it didn't suspend a virtual machine properly, and we heard Windows noises in the background when the app had supposedly quit – each time, a trip to *Activity Monitor* showed a »

The always-on application menu in VMware Fusion enables easy access to VMs and Windows applications.


Edit
View
Virtual Machine
Window
Help
Windows 7 x64
Windows 7 x64: Preview
Resuming...
Computer
Documents
All Control Panel ...
Run...
All Programs
Desktop Window Manager
Internet Explorer
Internet Explorer
Paint
Windows Calculator
Windows Explorer
Virtual Machine
View
Starting Up...
Restart
Shut Down
Applications Menu Settings...

PLAY THE GAME / Games in virtual machines

Although the App Store has ensured that a ridiculous number of games are now available for an Apple platform, the Mac itself is starved by comparison, and those games that do arrive from the PC tend to be late, often showing up when their Windows equivalents have reached the bargain bin. The latest versions of *Parallels Desktop* and *VMware Fusion* both bring major improvements to graphics support, aiming to enable you to play the latest Windows games. In reality, this is a decidedly hit and miss experience. We tried several games, and the modern titles had graphics issues and occasionally stuttering audio. Older games and a few emulators we tried fared better, and, in general, it seems *Parallels Desktop* is better suited to gaming than its rival. However, neither app on test is anywhere near perfect in this area, so if you're a Windows gaming nut, your best bet remains to stick with *Boot Camp* – or a real PC.

Windows 7 x64
Suspend
Take Snapshot
Rollback
Settings
Unity
Full Screen
SOME PEOPLE PROTEST PEACEFULLY AGAINST THE GOVERNMENT
MENU

Despite improved graphics support, gaming is still hit and miss in virtualisation software.

VM process still running, and a Mac restart was required to deal with the oddness. However, both apps perform reasonably well on a typical consumer Mac when other weighty products like *Photoshop* are running.

Extra features

In an attempt to not be outdone by its rival, each app still offers a handful of unique features. *Parallels Desktop* provides SmartSelect for flexible file-type association, full support for Apple's Magic Mouse and Multi-Touch support on modern Mac laptops. Perhaps most usefully, virtual machine sizes are automatically optimised using *Parallels Compressor*. We were less impressed, though, with *Parallels Desktop*'s intrusive Dock restarts to add Windows folders and its irksome animations when changing modes, although both can be easily disabled.

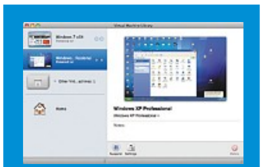
VMware Fusion's standout changes are primarily interface-based. The redesigned Virtual Machine Library is a triumph – it's clear, concise, and displays a live preview of running machines. Said previews can also be viewed in a HUD-style window, providing a rough equivalent to *Parallels Desktop*'s Modality view. *VMware Fusion* also optionally places an application menu in the Mac OS X menu bar, which enables easy access to your virtual machines and installed apps, even when machines aren't active, albeit at the expense of having another process running. The built-in search is lightning fast, and the feature is impressive and sleek.

> *"Objectively this race is a dead heat – both products are impressive, and even their shortcomings aren't major"*

If much of this review sounds like we've reviewed the same app twice, that's because, to some extent, we have. In their efforts to better their rivals, *VMware Fusion* and *Parallels Desktop* have ended up becoming rather similar. Even one of the features *Parallels* boasts about regarding version 5 of its app – the ability to copy and paste styled text across systems – appears present and correct in *VMware Fusion*. Therefore, the best virtualisation product to buy largely rests on whether you would prefer the speed of *Parallels Desktop* over the more refined, polished and Mac-like experience offered by *VMware Fusion*.

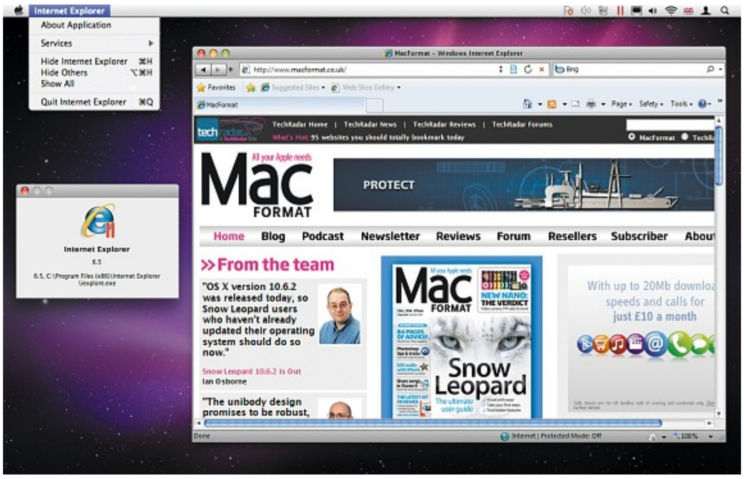
For our money, *Parallels Desktop*'s extra speed perhaps affords it the edge by the slimmest of margins, but objectively this race is now a dead heat – both products are impressive, and even their shortcomings aren't major. As such, we no longer recommend that anyone using one product should switch to the other – stick with what you know and upgrade to the latest version.

Craig Grannell


Virtual Machine Library
Windows 7 x64
Windows XP Professional

DID YOU KNOW THIS?

Not only can you store on your hard drive multiple virtual machines, each of which may have its own operating system installed (and its own files, if it doesn't share a profile with your Mac), but it's also possible to run multiple machines simultaneously. However, be mindful that to do so you need a Mac with serious clout, and devices can only be attached to one machine at a time.

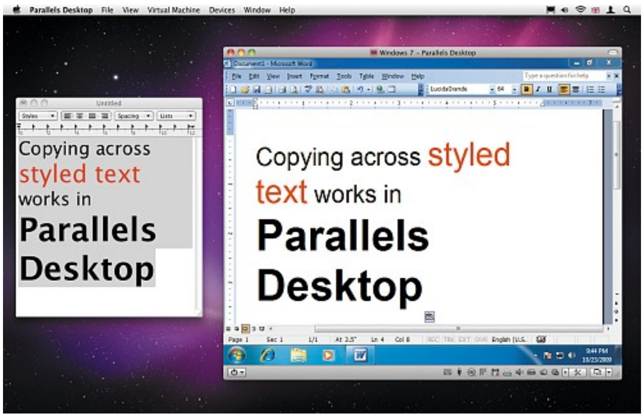

Internet Explorer
About Application
Services
Hide Internet Explorer
Hide Others
Show All
Quit Internet Explorer
MacFormat – Windows Internet Explorer
http://www.macformat.co.uk/
Favorites
Suggested Sites
Web Slice Gallery
TechRadar Home | TechRadar News | TechRadar Reviews | TechRadar Forums
All your Apple needs
Mac FORMAT
PROTECT
Home Blog Podcast Newsletter Reviews Forum Resellers Subscriber About
From the team
Snow Leopard
With up to 20Mb downloa speeds and calls for just £10 a month
Internet Explorer
Done
Internet | Protected Mode: Off
100%

"OS X version 10.6.2 was released today, so Snow Leopard users who haven't already updated their operating system should do so now."

Snow Leopard 10.6.2 is Out
Ian Osborne

"The unibody design promises to be robust,

The MacLook option in Parallels Desktop skins Windows apps to resemble Mac ones.


Parallels Desktop File View Virtual Machine Devices Window Help
Windows 7 – Parallels Desktop
Document1 – Microsoft Word
Untitled

Copying across styled text works in Parallels Desktop

Copying across styled text works in Parallels Desktop

Parallels Desktop 5 tries to retain styled text copied between platforms.

» PHOTO BOOK SERVICE

Blurb BookSmart

From £7 Popular photo book service gets a Snow Leopard update

CONTACTS

Manufacturer: Blurb
www.blurb.com

REQUIREMENTS

Processor: 1.5GHz G4 or later **RAM:** 512MB **OS:** Mac OS X 10.4.5 or later **Hard disk:** 67MB free space

PROS & CONS

- ⊕ Faster and more features
- ⊕ Can sell books online
- ⊖ BookSmart interface looks basic
- ⊖ Not as wieldy as iPhoto's books

VERDICT

★★★★☆

"A nice integrated online shop, but overall not as good as iPhoto's Books."

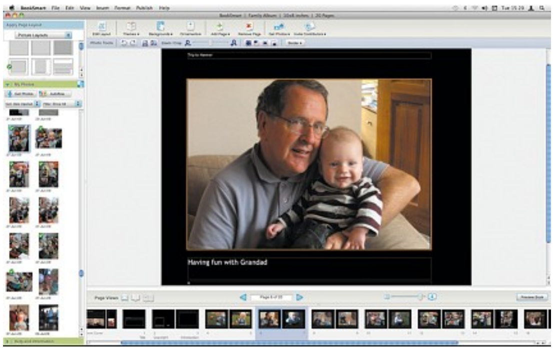
We took a look at photo book service Blurb about a year ago, but now that there's a version 2.5 of its *BookSmart* software out that's fully Snow Leopard compatible, it's worth revisiting.

On the surface, not much looks to have changed. *BookSmart* is a photo book creation program that you download to your Mac and use to access the photos in your iPhoto Library. Drag and drop them into predesigned page templates and when you're ready, order your finished book from Blurb. You can even upload your book to the Blurb shop where you can sell it at a profit.

The *BookSmart* software is definitely faster than before. There are new features too, such as grids for precise alignment of text and images, the ability to save your custom layouts for re-use and the option to import photos from online sources, like Flickr or PhotoBucket.

The best new feature, however, is the ability to upload PDFs created in other programs (like *Adobe InDesign*) for sale via its online shop. For PC users, *BookSmart* will be just fine, but on the Mac platform it's up against *iPhoto*. Sure, it offers more variety and customisation, but its themes still aren't as well designed and it just doesn't have the same ease of use. Drop too many photos onto a template in *iPhoto* and it adapts to accommodate them; not so here. If you want to sell your books, then Blurb has that option, but for homemade photo books we still prefer not to wander too far from *iPhoto*.

Graham Barlow



You can drag and drop photos from your iPhoto Library with ease.

» ANTIVIRUS SOFTWARE

Kaspersky Anti-Virus for Mac

£40 New Mac offering from the established anti-malware name

CONTACTS

Developer: Kaspersky
http://kaspersky.co.uk

REQUIREMENTS

Processor: Intel Mac **RAM:** 512MB **OS:** Mac OS 10.4.11 or higher **Hard disk:** 80MB free space **Other:** Internet connection for product activation and software updates

PROS & CONS

- ⊕ Low CPU use in background
- ⊕ Windows virus protection
- ⊕ Settings file can be exported
- ⊖ Incompatible with PowerPC Macs

VERDICT

★★★½☆

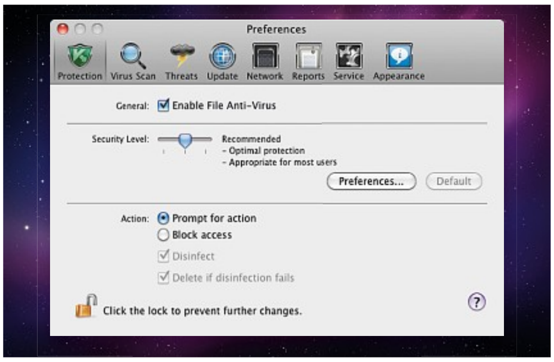
"Provides protection against Mac malware, but a pain to configure."

There are still those who firmly believe the phrase 'Mac malware' to be a contradiction in terms, a figment of the fervid imaginations of antivirus software manufacturers. Yet the past year has seen further variations on the Mac Trojan OSX.RSPlug, as well as multiple versions of OSX.Trojan.iServices – not to mention *MacSweeper*, the first rogue application for Mac OS X. It's against this background that Kaspersky – already makers of antivirus software for Windows – decided to venture into the Mac platform.

Once installed on your Intel Mac (PowerPC Macs aren't supported), *Kaspersky Anti-Virus for Mac* (*KAV*) needs to have its virus definitions updated: unfortunately, its "user-friendly and attractive" (according to Kaspersky) interface doesn't give you much clue as to how you do that. So we consulted the manual – and found the relevant information on page 13. Duly armed, we decided we'd rather it didn't scan our *Time Machine* backup – but gave up after wading through a morass of criteria in *KAV's* extensive Preferences. Should it take five pop-ups and two text fields to choose a file, folder or volume to exclude from a virus scan? Why not a drag-and-drop window?

On the positive side, *KAV* protects against Windows viruses, which means you can use it on a shared folder in a virtual environment. At present, there's no dual-platform pack, as there is for *Intego* and *Norton AV*, but Kaspersky tells us it's currently in production.

Trevor Middleton



General: ☑ Enable File Anti-Virus

Security Level: Recommended
- Optimal protection
- Appropriate for most users

Action: ● Prompt for action
○ Block access
☑ Disinfect
☑ Delete if disinfection fails

Click the lock to prevent further changes.

Set preferences via Kaspersky's user interface or the menu bar item.

>> ON THE DISC
You can find all these programs on the disc.

>> BITMAP IMAGE EDITOR

Flying Meat Acorn 2.0

$50 (£33)/upgrade $20 (£13) This user-friendly image editor comes of age

CONTACTS
Developer: Flying Meat, Inc
www.flyingmeat.com/acorn/

REQUIREMENTS
Mac OS X 10.6

PROS & CONS
- ⊕ Great UI, fast and stable
- ⊕ Top filters and screengrabbing
- ⊖ Too basic for involved work
- ⊖ Snow Leopard only

VERDICT
★★★½☆

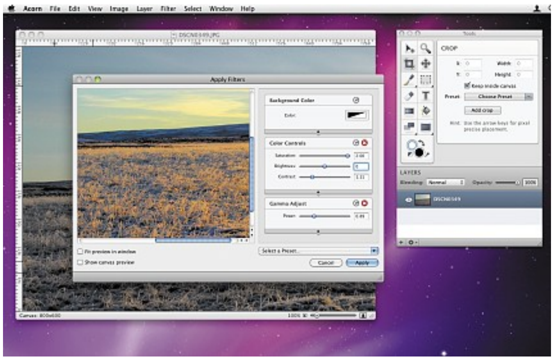
"Too limited for advanced tasks, but great for quick edits and web export."

Dubbed 'the image editor for humans', *Acorn* is an affordable, user-friendly two-window application for manipulating images. One window houses your work and the other displays tools and layers. Tool options are context-sensitive, appearing alongside the toolbar.

The first release of *Acorn* was basic, but this update has plenty of new features, albeit at the expense of Leopard support. Along with being faster, prettier and rock-solid stable, *Acorn* now offers rulers, new tools (dodge, burn, clone, smudge), layer groups, and some new filters. Usefully, screengrabs can optionally have components sent to layers within sensibly named layer groups, enabling you to tweak window positions after a grab is taken.

Acorn's web export remains strong, as does the fantastic Apply Filters window, which even beats *Photoshop's* equivalent. For screengrabs, quick photo edits and exporting imagery for the web, *Acorn* is highly recommended. For more involved work, *Acorn's* shortcomings – no layer masks, a lack of layer styles, layered PSD files opening flattened – are a problem, although one could argue this app isn't aimed at the pro market anyway. That said, *Acorn's* development suggests it might soon embrace pro users, and it looks like Adobe's image editors will soon have competition. Neither *Acorn* nor rival *Pixelmator* is there yet, but come the next round of revisions, there's going to be a scrap for supremacy – and we can't wait…

Craig Grannell



Acorn 2's interface overhaul is welcome and looks less basic than before.

>> PHOTO FILTER TOOL

CameraBag Desktop

$19 (£13) Great effects, not-so-great price…

CONTACTS Developer: Nevercenter Ltd (www.nevercenter.com)

On the iPhone, *CameraBag* is a great app that filters photos so the output resembles that of film cameras. Maybe inspired by Twitter client *Tweetie's* move to the Mac desktop, Nevercenter's released an OS X version of its mobile app.

In terms of broad functionality, *CameraBag* is very similar to its mobile cousin. You open an image (or drop one from *Finder* or *iPhoto*) and choose from nine filters. For extreme effects, filters can be chained although not rearranged once applied – only removed and applied to the end of the chain. It's possible to 'reprocess' an image using the same effect multiple times and to adjust output size, borders and cropping if not keen on the most recent filter's preset.

iPhoto and other apps offer filtering, but the results from *CameraBag* are superior, and although its interface is quirky and not very Mac-like, it's usable enough. It's a pity the desktop version costs four times the price of the mobile release, because at a fiver we'd call *CameraBag* a no-brainer. At £12, we're more guarded, but it's still worth a look.

Craig Grannell

VERDICT
★★★½☆

"A tad pricey, but an excellent set of filters for any digital photo enthusiasts."

>> DRIVE NAVIGATION UTILITY

FolderGlance 2.5.5

$20 (£13) Navigate Finder… at a glance

CONTACTS Developer: Stødle Computer Software (www.scsc.no)

FolderGlance is a *Finder* plug-in that enables you to drill-down into folders on your Mac's hard drive via contextual menus. Holding a modifier key reveals extra functionality – the ability to copy a selection to any accessed folder, a means of previewing the item at the end of the path, and an Open With menu to open said item in an application of your choosing.

The utility's preferences enable customisation, such as menu sort order and the size of previews. It's also possible to define custom folders, providing rapid access to favourites, and you can switch the Open With folder to a folder full of favourite app aliases. Sadly, there's no mechanism for building this list within *FolderGlance's* System Preferences pane.

For all the options and the fact it performs well, *FolderGlance* doesn't feel like a keeper. It's a little awkward to use and we didn't like the manner in which it replaces *Finder's* default contextual menu (moving it to a sub-menu called Finder); however, for Snow Leopard users pining for the similar *FinderPop*, this is an excellent substitute.

Craig Grannell

VERDICT
★★★☆☆

"A perfectly efficient add-on for navigating Finder and managing files."

BACK ISSUES

SOLD OUT!

Issue 209
Summer 2009

Fast internet outside the city
How products are born
Stargaze with your Mac
Create DJ playlists
On the disc
Fanurio1.7, HyperImage 1, Realsoft 3D 6

Issue 210
July 2009

50 essential timesavers
Mac mini media centre
Understand digital video
Get to grips with Tweetie
On the disc
Money 2, Speed Download 4 & BatchOutput DOC

Issue 211
August 2009

The new MacBook Pro
40 new iLife tips
Upgrade to iPhone 3.0
Digitise analogue media
On the disc
Flux 1.0, Syncables Desktop SE 5 and Install Builder 6.1.2

Issue 212
September 2009

Save money on an iPhone
MobileMe investigated
Make iPhone ringtones
New MacBook Air reviewed
On the disc
CoverScout 2, Aiko 4 Starter Pack, Style Master 4.6

Issue 213
October 2009

101 best-ever Mac tips
Final Cut Studio reviewed
Making music on Mac
Monitor group test
On the disc
Carrara 6 Pro, Finance 5.0, plus tutorial files and more

Issue 214
November 2009

The new iPod nano
App Store controversy
Get to grips with iTunes 9
Work smarter in OS X
On the disc
Trax OS, QuickApps 1, KavaServices 3

Back issues

Want to order a back issue of MacFormat? Hurry – stock is limited!

You've only just missed...

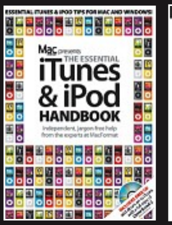
Issue 215 / December 09

Problems with your Mac?
We solve your Mac-based woes

Plus...
Snow Leopard Q&A special
iPhone GPS apps tested
How to make a podcast jingle
Samsung T1000 on review
Protect your Mac
Portable hard drive group test

On the disc
GrupaDupa 1.0.3, SWF Encrypt 4.0.6, Twit Menulet 4, plus widgets, shareware and more

Why not also try these...



Don't miss our special issues, but hurry – limited stocks available!
MacFormat Presents brings the expertise and experience of *MacFormat*'s writers to cover a single subject in its entirety. You can buy all of these special issues online at www.myfavouritemagazines.co.uk/macformatpresents

To order back issues telephone +44 (0)870 837 4773
To buy online or to subscribe to MacFormat, visit
www.myfavouritemagazines.co.uk

iPhone

» MEET YOUR iPHONE EXPERT

Deputy Editor Christopher Phin knows more about the iPhone than any one man has the right to.

● NEW RELEASES ● SMALL APPLICATIONS ● USEFUL UTILITIES ● TRUSTED REVIEWS

NEWS IN BRIEF

iPhones unlocked

UK customers who wish to unlock their O2 iPhones to use them on another network may now do so legally. Pay Monthly customers can fill out a form at **http://shop.o2.co.uk/update/unlockmyiphone.html** to request an unlock, but you'll be liable to pay any remaining months on your contract. Pay & Go users must wait until 12 months after the phone was bought, and pay a one-off £14.69 fee. The announcement coincided with the iPhone being made available on Orange.

Android 2.0 with sat-nav

The 2.0 version of Google-shepherded mobile operating system Android has been announced, and among the improvements is one feature that has the potential to be disruptive. It includes, for free, a turn-by-turn satellite navigation system that uses the GPS chip found in most Android handsets. The iPhone has only recently allowed developers to create sat-nav systems, but these are as paid-for, add-on apps.

» BEDSIDE ALARM CLOCK

TimeTuner

£1.19 An elegant clock radio app for your bedside – just add a powered dock

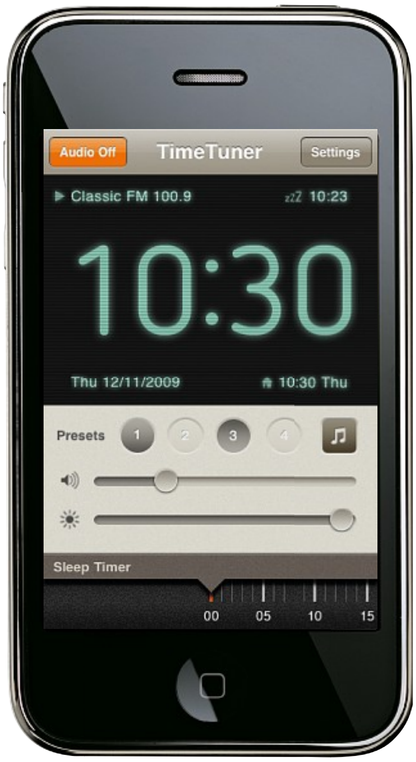
The idea of using your iPhone or iPod touch as a clock radio is not particularly original, but we like this little app because it manages to pack so much in but at the same time feels elegant and useful.

Designed to sit vertically in a powered dock (such as a speaker system), it displays a clock that shows any alarms you have set plus, optionally, the time in your home time zone; it's a boon for travellers. Tap the screen once and everything but the time display slides away.

You can set multiple alarms and have them trigger on specific days, as you can with the built-in *Clock* app. Opt for either an alarm sound or for it to open an internet radio station. Usefully, you can define a backup sound in this latter case so that if it can't pick up the station you defined, it still wakes you up.

> *"A clever slider at the bottom lets you set a sleep timer that counts down so you can fall asleep to music…"*

It's also possible to listen to the radio at any time, or to hook into your iPod's playlists to play your music through the app. A clever, unobtrusive slider at the bottom of the app lets you set a sleep timer that counts down so you can fall asleep to music. Sadly, the only browsing option you have is by playlist – making it tricky to listen to podcasts or audiobooks.



Although BBC radio stations are available through the service that provides the internet radio for *TimeTuner*, they don't actually show up in the app (with the exception of the World Service), presumably because they're using an incompatible codec.

The app needs to be running for alarms to sound. However, we're paranoid, and always kept a backup alarm in *Clock*, although *TimeTuner* seemed stable as well as clean and well designed.

CONTACTS

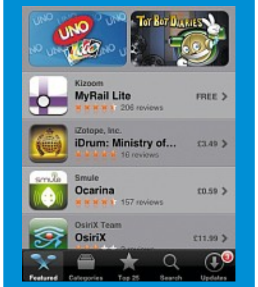
Developer: DreamSurface LLC
www.dreamsurface.com

VERDICT

★★★★☆

"Despite the BBC absence and some other glitches, TimeTuner is a recommended purchase."

» DOWNLOAD THESE APPS



You can download these apps from the iTunes Store on your Mac or from the App Store on your iPhone or iPod touch.

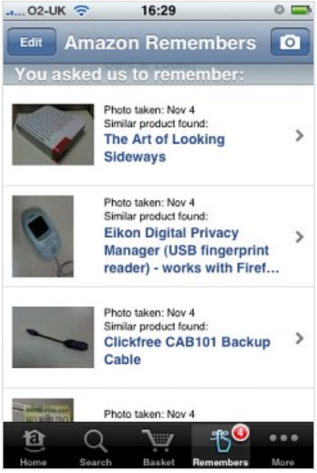
>> AMAZON STOREFRONT

Amazon Mobile UK

£FREE Buy, buy, buy! Plus some freaky tech

Okay, so this is just a storefront to Amazon, really, so why are we reviewing an app that's just there to convince you to buy more stuff? Two words: Amazon Remembers.

It's a genius service, both from Amazon and the user's perspective. Using your iPhone's camera, take a photo of a product, which is then uploaded to Amazon servers. If it can identify it automatically (it works best with CDs, games and books) it pings the result back instantly, ready to be bought or added to a wishlist. If not, it's anonymously turned over to Mechanical Turk workers who try to identify and link it to a product on Amazon. Results can be freakily accurate, but some were off, and there's no way of alerting Amazon.



You asked us to remember:

Photo taken: Nov 4
Similar product found:
The Art of Looking Sideways

Photo taken: Nov 4
Similar product found:
Eikon Digital Privacy Manager (USB fingerprint reader) - works with Firef...

Photo taken: Nov 4
Similar product found:
Clickfree CAB101 Backup Cable

Photo taken: Nov 4

VERDICT
★★★★☆
"It's average as a shopping portal but Amazon Remembers can be really astonishing."

>> CAMERA

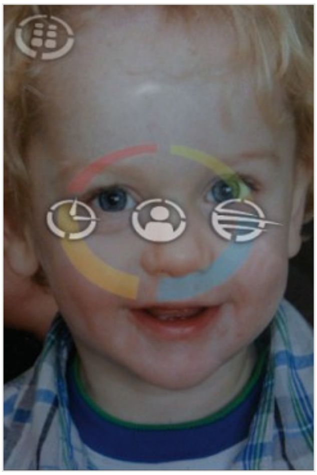
1Shoot

£1.79 Will this replace the built-in Camera app?

The iPhone's *Camera* app is limited to firing the shutter when you press a button on screen. *1Shoot,* however, has three modes. In its most basic it lets you tap the whole screen to trigger the shutter, and another mode lets you set a five- or 10-second timer.

The most exciting feature, however, uses the iPhone's accelerometer to gauge when you're holding the phone still enough to take a good shot, then grabs it automatically. Pictures need to be reviewed and added to the camera roll manually.

It could use some in-app help, though, and you can't use the 3GS's tap-to-focus feature to define a focus and exposure priority point.



VERDICT
★★★☆☆
"Useful features, but the interface is cryptic and you can't tap to focus."

>> MUSIC GENERATOR

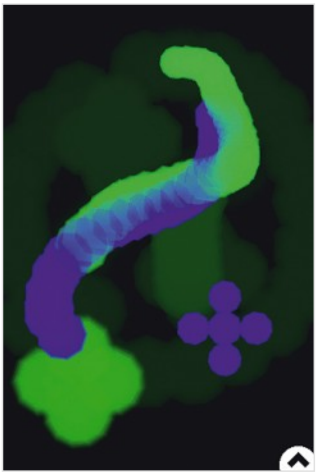
Trope

£2.39 Infinite Eno in your pocket…

Do you love Brian Eno's ambient plinky-plonky music? And do you ever wish you had access to an infinite Eno soundtrack in your pocket? Welcome to *Trope*.

As you tap on the screen or drag whirls of colour around, you can create a soundcape that builds, loops and repeats in a convincingly Eno-esque way. And it's not surprising, really as this app was developed in collaboration with the man himself.

It can take some getting used to and it doesn't help that the different moods and drawing shapes are so fancifully named that you struggle to work out how to create specific sounds or even particular moods – but it's a pleasant way to zone out for a bit.



VERDICT
★★★★½
"There's no way to record, but that fits in with Trope's ephemeral charm."

>> BARCODE SCANNING

RedLaser

MacFormat Choice ★★★★★

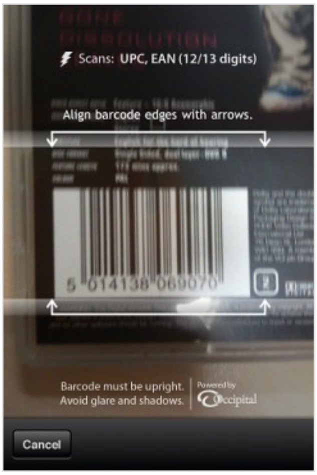
£1.19 Cashier number four, please!

Scanning barcodes may not sound like fun, but here it's not only fun in a geeky kind of way, but it also has the potential to save you a packet.

RedLaser works by using your iPhone's camera to read a barcode and then asking the net for matching prices. But, surprisingly, results are more competent on the original iPhone, over the 3GS.

Results from Amazon are prioritised, but it also uses Google Product Search to match results from other vendors. Its parsing of the barcode is flawless, though the back-end systems from Amazon and Google sometimes can't match products.

It may feel cheeky to check online prices while in actual shops, but it saves you a fair bit of cash. ●


Scans: UPC, EAN (12/13 digits)
Align barcode edges with arrows.
5 014138 069070
Barcode must be upright. Avoid glare and shadows.
Powered by Occipital
Cancel

VERDICT
★★★★★
"Dependent on Amazon and Google's back-ends, but nevertheless excellent."

Games

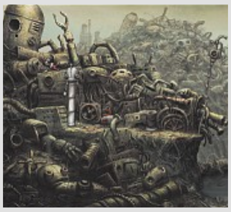
» MEET YOUR GAMES GURU
Andy Dyer is a legend, having worked on many games mags. He now gets his gaming fix on his iMac and iPod touch.

NEWS IN BRIEF

Kids' stuff

If you're mad enough to let your little horrors get their mitts on your iPhone, you can now take advantage of a special Kids' section in the App Store. As well as more conventional games, there are educational and entertainment offerings including the *Curious George Colouring Book*, *Preschool Adventure*, and an amusing *Ben 10 Mouth Off* app.

www.apple.com



Deus Ex Machinarium

Now's a great time to check out online games *Samorost* and *Samorost 2* from Amanita Design. Not only are these point-and-click mini-adventures superb, but they'll get you in the mood for Amanita's first full-scale commercial release *Machinarium*, a beautiful puzzle game on review next issue.

www.amanitadesign.com

» FIRST-PERSON SHOOTER PREVIEW

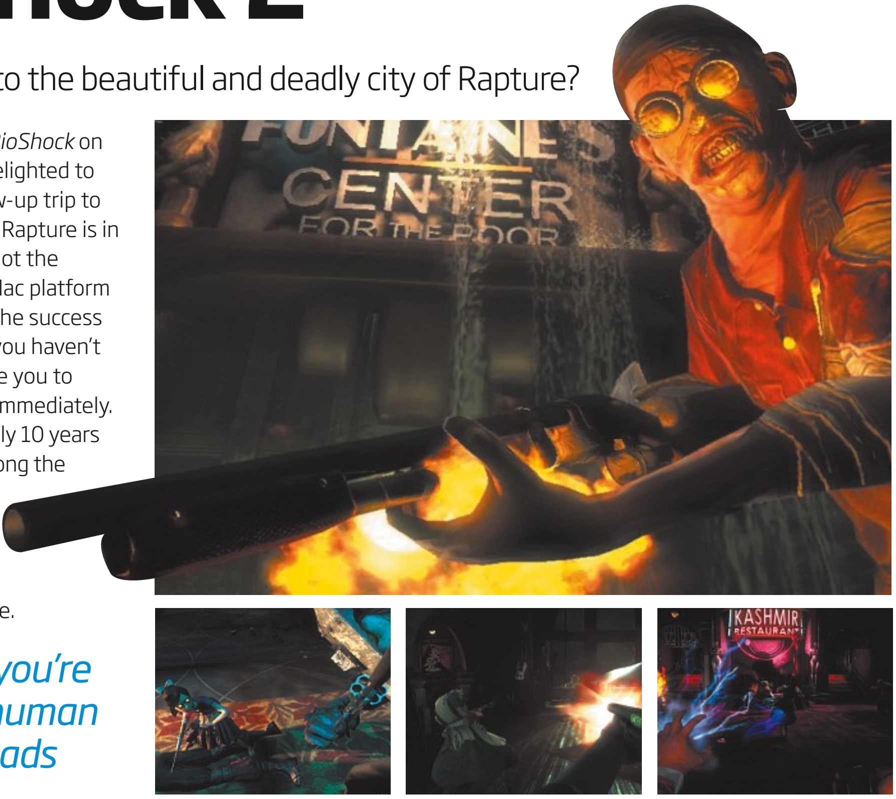
BioShock 2

Dare you return to the beautiful and deadly city of Rapture?

Fans who played *BioShock* on the Mac will be delighted to learn that a follow-up trip to the undersea society of Rapture is in the offing. Whether or not the sequel makes it to the Mac platform very much depends on the success of the first game, so, if you haven't already done so, we urge you to throw your money at it immediately.

The game is set roughly 10 years after the original, and along the Atlantic coastline a monster has been snatching kids and taking them to the undersea halls of Rapture.

> *"The fact that you're essentially a human experiment leads to some very interesting gameplay"*



BioShock is due to return bigger and better than before. But will it make it to the Mac?

In this chapter the player is a test subject, a Big Daddy in fact, who has to wander Rapture's highways and byways in order to survive.

The fact that you're essentially a human experiment leads to some interesting gameplay. As well as wielding regular weapons such as guns, you'll also be able to use plasmids to give you powers and, better still, you'll be able to arm two at once. Also, playing the part of the original Big Daddy prototype endows you with more power than your character had in the first game. This means the foes you come up against will be that much tougher.

The biggest change, though, is the introduction of a full-on multi-player mode. Players will be able to take the role of a Rapture citizen and take part in the civil war that tore the city apart in the first place. In addition, players will be able to battle each other in locations around Rapture, recreated to appear as they were before the fall of the city. As play progresses you'll be able to earn points to unlock new weapons, plasmids and tonics, and create your own unique character.

The multi-player mode should be pretty slick, given that it has been created by Digital Extremes, who specialise in multiplayer modes and has collaborated on the *Unreal Tournaments* and *Unreal Championship* brands.

A return to Rapture is a tantalizing prospect and we can only hope that talks are already going on to bring the game to the Mac in 2010. ●

>>SPACE COMBAT AND TRADING

X3: Terran Conflict

Mac FORMAT Choice ★★★★★

£29.95 Ad astra or ad nauseum? X3 reaches its conclusion

Before we tackle *X3: Terran Conflict* it's worth taking a look back at the game that kicked off all these space trading and combat shenanigans. We are, of course, talking about *Elite*.

Ask any old-school gamer to name their all-time top-five games and chances are *Elite* will be in there. In a previous gaming environment dominated by 2D blocky sprite-based affairs, *Elite* enabled the player to blast off and explore, unfettered, a 3D universe populated by pirates, police, and other traders all vying to become the richest and most powerful space captain in the galaxy. It was all the more remarkable thanks to the fact that the developers had managed to create such a rich universe in just 32 KB of memory. That's about a tenth of the space taken up by one of the screenshots on this page. It was a revelation, and possibly a revolution. Players who would like to remind themselves of *Elite*'s greatness could do worse that check out *Oolite* (www.oolite.org), a tidy little homage to the legendary game

Other space trading games have come and gone (Microsoft's *Freelancer*, for example) but only one has endured, and that is Egosoft's *X3* series. For the benefit of players of the previous games let's take a look at what *Terran Conflict* is about.

No-go narrative

Actually, let's not. Narrative is not Egosoft's strong hand and although there's a lot of story in here, the outcome is much the same as in previous games. The upshot is the player has to roam the universe by using jump gates, battle other characters of races depending on character choice at the start of the game, trade goods in order to make a profit, and build factories in order to create a substantial empire.

Those who like a good ol' yarn might be disappointed as Terran Conflict is all about gameplay.

The story that unfolds as you play is secondary to the job in hand and the characters are pretty two-dimensional. *X3: Terran Conflict* is all about the gameplay, and there's a lot of it to be had. The task is pretty daunting to newcomers. Even with the built-in training mode it takes a while to get your head around the trading and empire building, as well as feeling comfortable at the controls of your ship. However, hard work is rewarded because few games provide such a rich environment in which to immerse yourself.

> *"If you are one of those who haven't tried an X3 game yet, now's the time, because Terran Conflict is the most accomplished yet…"*

If you are one of those who haven't tried an *X3* game yet, now's the time to make the leap because *Terran Conflict* is the most accomplished chapter yet. Quite apart from the visuals, which are simply stunning, this latest game also features improved flight controls, and a more intuitive system of management. Existing fans can enjoy other benefits too, such as new races and factions, computer-controlled corporations, more than 100 new ships and the ability to board and capture large ships using your own troops.

Where *X3: Terran Conflict* fails is in its lack of ability to take its message to the masses. The clunky storytelling, absence of any meaningful narrative and crude characterisation make it pretty dry.

Where it succeeds, however, is in its detail, its determination to present the player with an authentic environment on a cosmological scale, and its universal ambition. ●

CONTACTS

Developer: Virtual Programming
www.vpltd.com
Publisher: Egosoft Software
www.egosoft.com

REQUIREMENTS

OS: 10.5.7 or later **Processor:** Intel 2.16 GHz or faster **RAM:** 1GB **Other:** GeForce 8600, Radeon X1600 or later, 256MB VRAM, 7GB hard disk space

PROS & CONS

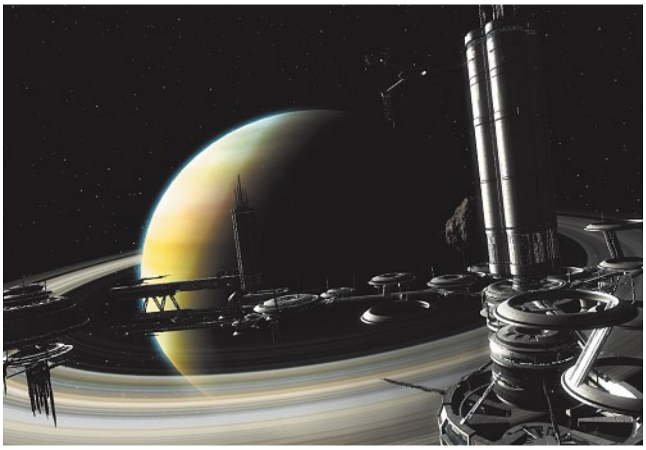
- ⊕ Amazing looks
- ⊕ Astonishing depth of play
- ⊕ New ships
- ⊕ New control system
- ⊖ Hard to get into
- ⊖ It's all a bit po-faced

VERDICT

★★★★★

"If you don't mind the seriousness and complexity, there's no better way to fulfill your galaxy-hopping fantasies."

The stunning detail is guaranteed to wow fans old and new.



>> ACTION

Up

£24.99 Disney Pixar's enchanting tale comes down to earth with a resounding thud

CONTACTS

Developer: Heavy Iron Studios
www.heavy-iron.com
Publisher: THQ
www.thq-games.com

REQUIREMENTS

OS: OSX 10.5 **Processor:** Intel Core 2 Duo 1.8MHz **RAM:** 1GB **Other:** 2GB hard disk space, GeForce 6600 GT, Radeon X1600 or better, 64MB VRAM, controller for second player

PROS & CONS

- ⊕ The characters are amusing
- ⊕ Variety of bonus content
- ⊖ Poor-quality cut scenes
- ⊖ Generally poor visuals
- ⊖ Dull gameplay
- ⊖ Totally unimaginative

VERDICT

★☆☆☆☆

"The movie is a work of art, this is a clumsy daub. THQ needs to Up its game."

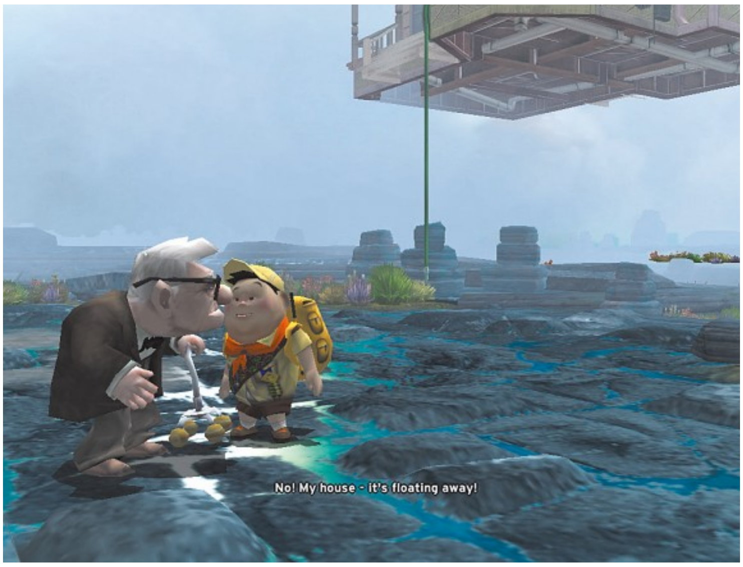
Disney Pixar consistently produces excellent CG features, but what's surprising is that such a huge corporation is still willing, creatively, to innovate and to take chances. This was not only evident in *WALL·E* (which was essentially a silent movie for the first half) but is clear again in the opening scenes of *Up*, which contain some of the most heart-breaking cinematic moments ever put on the screen – a brave thing to attempt in a kids' movie.

Creative cutdown

It's a shame, then, that while Disney Pixar is willing to take such creative risks, THQ seem unprepared to take any, sticking instead to a very workmanlike mish-mash of platforming levels, boss encounters and mini-games.

If nothing else, the game should at least look good, given the stunning visuals in the movie. Yet sadly, not only are the cut scenes horribly grainy, but the in-game graphics are also poor, with substandard textures and glitching occurring on a regular basis. It's very disappointing.

Many of the levels rely on the skills of protagonists Carl and Russell, Carl helping Russell over large obstacles with his walking stick, and Russell's scouting coming in useful for more complex tasks and fending off enemies with his magnifying glass.


No! My house - it's floating away!

Carl and Russell pull out all the usual stops to avoid paying council tax.

The tedium of the regular levels is broken up by some variety in the gameplay. For example, some levels see you rafting along a river avoiding the advances of hungry crocodiles, or riding on the back of a large bird called Kevin and trying to outrun a pack of slavering hounds. There are even levels in which you pilot a plane. They're all a bit clunkily implemented but at least there's been some attempt to vary the experience. You can also play the game cooperatively with two players helping each other out and, in a rare example of ingenuity, the developers have included the option for a second player to drop out at any time without stopping the game.

Unsurprisingly there are also mini games based on some of the levels themselves including a bi-plane battle and a raft race, and, to top it all off, you can unlock various bits of movie paraphernalia as you progress.

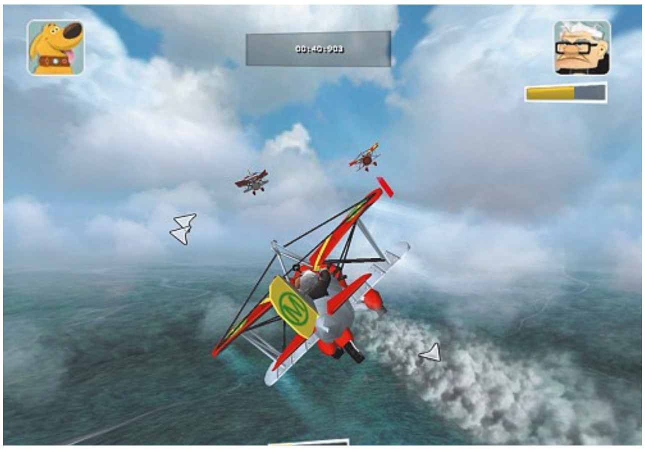
The problem is, we've seen all of this before, and the tragedy is that even with source material as rich as the movie, this game's developers have just done the absolute bare minimum in order to get the job done. This is, in every respect, a very, very ordinary game.

None of us is expecting every release to be nearing perfection, or even in some way groundbreaking, but when we see beautiful and innovative games appearing on the App Store on an almost daily basis, this sort of publishing starts to look a little cynical.

There was a time not so long ago when almost every single game with a movie licence attached was greeted with a despondent sigh. But now, when we have the likes of *Ghostbusters*, *The Godfather*, and the *LEGO* movie spin-offs trying to do something a little more inventive with their source material – and, indeed, as non-licensed games become ever more cinematic in themselves – formulaic fare like *Up* simply don't cut the mustard. ●

> *"The cut scenes are grainy, the in-game graphics are poor and glitching occurs on a regular basis. It's very disappointing"*

It's difficult to get absorbed in Up, with its clunky implementation, poor graphics and frequent glitches.



“...a superb creation.”
Mac FORMAT Choice ★★★★★

BIOSHOCK

If your life were the prize
would you kill the innocent?
Would you sacrifice your humanity?
We all make choices,
but in the end
our choices make us...

The genetically enhanced shooter.

OUT NOW FOR MAC

feralinteractive.com

18 Mac Softline Software • Technology • Solutions FERAL MAKE YOUR PLAY 2K GAMES

© 2002-2009 Take-Two Interactive Software and its subsidiaries. All rights reserved. BioShock, 2K Games, the 2K logo and Take-Two Interactive Software are all trademarks and/or registered trademarks of Take-Two Interactive Software. All rights reserved. All other marks and trademarks are the property of their respective owners. All rights reserved. Mac and the Mac logo are trademarks of Apple Computer Inc. registered in the U.S. and other countries. Feral and the Feral logo are trademarks of Feral Interactive Ltd.

>> iPHONE/iPOD TOUCH POINT-AND-CLICK ADVENTURE

Beneath a Steel Sky

£2.99 A post-apocalyptic tale with a sense of humour

This point-and-click adventure follows Robert, who was adopted and raised in the Australian outback. Years later Robert is kidnapped but manages to escape and this is where his adventure begins.

It's familiar fare with Rob and his sidekick, Joey, solving puzzles by talking to people, pressing buttons, collecting and using objects and so on, but in its day it was pretty sophisticated stuff, and even now proves to be enjoyable.

The voice acting, it must be said, is poor. The clunky delivery is irritating and Joey is plain annoying. This, however, is not a deal breaker and this adventure should appeal to a broad spectrum of players. ●

CONTACTS

Developer: Revolution Software Ltd

Available from the App Store

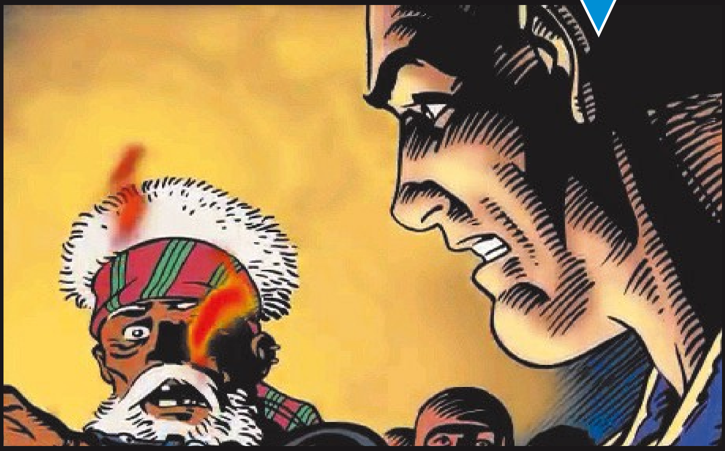
VERDICT

★★★★☆

"Even annoying voice acting can't spoil this cool classic."

>> BUY ONLINE

You can download these iPhone and iPod touch games from the App Store.



>> iPHONE/iPOD TOUCH ACTION PUZZLER

iBlast Moki

Mac FORMAT Choice ★★★★★

£1.19 Getting blown up for good…

This game is very much in the visual style of Sony PSP's *Loco Roco* but the premise is somewhat different. The idea is to move Moki by blowing up obstacles that block their way.

So you might, for example, set a bomb to start the Moki rolling, set another to blast it over a chasm, then set another to make it leap an obstacle. And all these bombs have to have their timers set to pull off the stunt.

It's cute, it's clever, and it should definitely be on your iphone. ●

CONTACTS

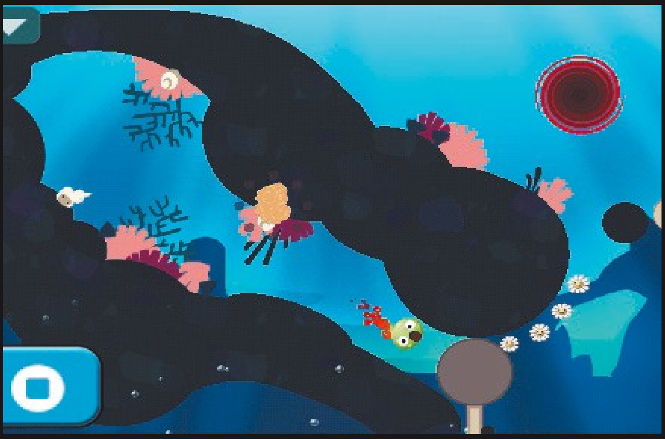
Developer: Godzilab

Available from the App Store

VERDICT

★★★★★

"An inventive puzzler with an explosive play mechanic."



>> iPHONE/iPOD TOUCH ACTION

Orbital

Mac FORMAT Choice ★★★★★

£1.79 A three-in-a-row game with a twist

This game is kind on the eye but hard on the brain. There's a cannon at the bottom of the screen and when you tap the screen it fires and deposits a ball (the size of which depends on how much space it has). To destroy each ball takes a three more collisions. So it's a balancing act of creating and destroying balls, without shots rebounding back into your firing area.

However, make sure you practice as the online players' scores are always, always better than yours, DAMMIT! ●

CONTACTS

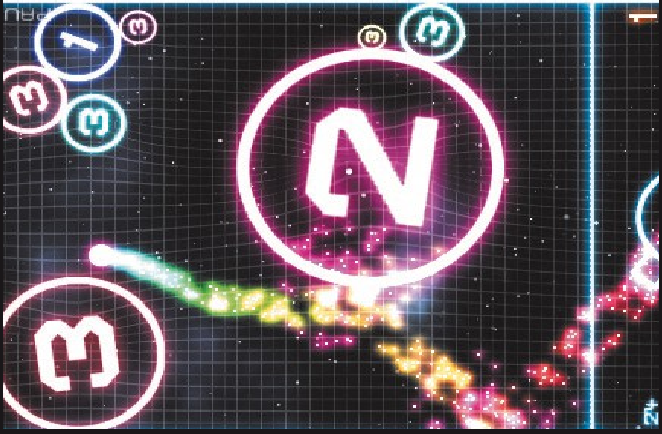
Developer: bitforge Ltd

Available from the App Store

VERDICT

★★★★★

"This game is as frustrating as it is addictive."



Mac User Groups

Find fellow Mac enthusiasts near you! Here's a list of the UK & Ireland MUGs

[1] Aberdeen MUG
Aberdeen
davidjearly@mac.com
www.abdnmug.co.uk

[2] Bristol & Bath MUG
Bath
info@bbmug.co.uk
www.bbmug.co.uk

[3] Berkshire & North Hampshire MUG
Reading area
i.j.burn@reading.ac.uk

[4] Blackburn MUG
Blackburn
info@bmug.co.uk
www.bmug.co.uk

[5] Bracknell Forest MUG
Bracknell, Berks
office@bfmuguk.org
www.bfmuguk.org

[6] ClubMac Ireland
Dublin
secretary@clubmac.ie
www.clubmac.ie

[7] Cork University College
Cork
d.murphy@cs.ucc.ie
www.ucc.ie/mug

[8] Cumbria Mac Enthusiasts
Barrow-in-Furness
CumbriaMacEnthusiasts@steel.clara.net
home.clara.net/steel/cme_home.htm

[9] Deaf Mac Users
Website group for the hard of hearing
nick@sturley.co.uk
http://tech.groups.yahoo.com/group/deaf-macs/

[10] Durham University MUG
Durham
durmac@durham.ac.uk
www.dur.ac.uk/durmac

[11] Edinburgh MUG
Edinburgh
admin@edmug.org.uk
www.edmug.org.uk

[12] Exeter MUG
Exeter
examug@mac.com
www.examug.org.uk

[13] FAMUS (Fife)
Kirkcaldy
davidwlaw@btinternet.com
www.fifedirect.org.uk/famus

[14] Glasgow MUG
Glasgow
glas.mug@mac.com
www.glasmug.com

[15] Harlech MUG
South Snowdonia
ian@climb8.com

[16] Isle of Wight MUG
Isle of Wight
admin@iowaug.org.uk
www.iowaug.org.uk

[17] Kent & East Sussex MUG
Kent
www.kesmug.org

[18] London MUG
London
secretary@lmug.org
www.lmug.org.uk

[19] MACUS (Manchester)
Manchester
davjaeger@macunlimited.net

[20] Midlands MUG
Birmingham
group@mmug.org.uk
www.mmug.org.uk

[21] Northern Ireland MUG
Belfast
matt@nimug.org

[22] North West Mac Group
Near Warrington
info@nwmug.co.uk
www.nwmug.co.uk

[23] Norwich MUG
Norwich
norwichmacusergroup@mac.com

[24] Oban MUG
Oban
obanmug@mac.com

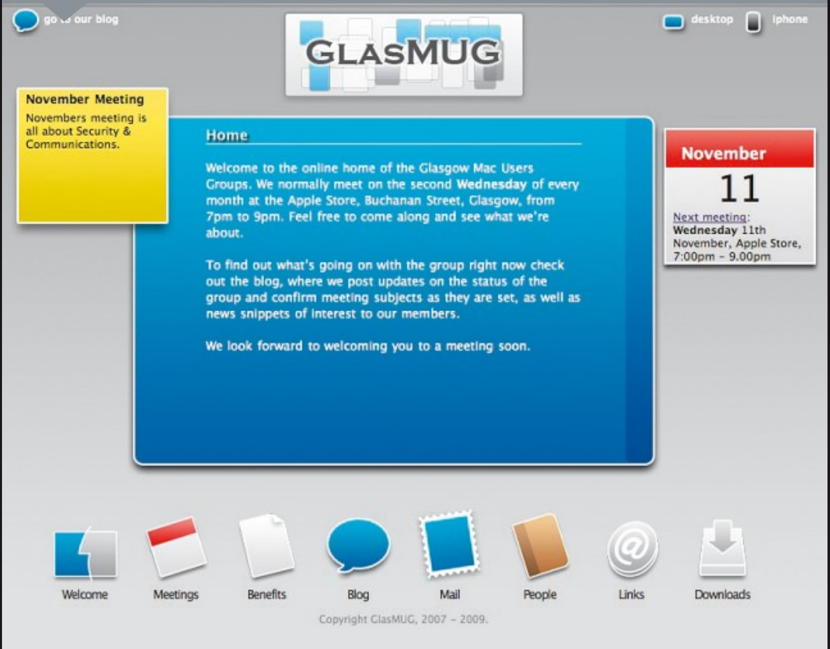
[25] OxMUG
Oxford
www.oxmug.org

[26] Potteries MUG
potmug@mac.com
www.potmug.com

[27] Severn MUG
South West
admin@s-mug.com
http://s-mug.com

[28] Southampton Uni
Southampton
trf.106@soton.ac.uk

MUG OF THE MONTH / GlasMUG



November Meeting
Novembers meeting is all about Security & Communications.

Home

Welcome to the online home of the Glasgow Mac Users Groups. We normally meet on the second Wednesday of every month at the Apple Store, Buchanan Street, Glasgow, from 7pm to 9pm. Feel free to come along and see what we're about.

To find out what's going on with the group right now check out the blog, where we post updates on the status of the group and confirm meeting subjects as they are set, as well as news snippets of interest to our members.

We look forward to welcoming you to a meeting soon.

November
11
Next meeting:
Wednesday 11th November, Apple Store, 7:00pm - 9.00pm

Copyright GlasMUG, 2007 - 2009.

The Glasgow Mac Users Group (GlasMUG) meets up each month at the Apple Store, Buchanan Street, Glasgow. Meetings run from 7pm - 9pm and are usually dedicated to a particular topic. November's meeting was dedicated to security and communication, for instance. To find out more and see when the next meeting is, visit **www.glasmug.com**. ●

[29] South Essex MUG
Wickford, Essex
chairman@seal-apple.co.uk
www.seal-apple.co.uk

[30] South Wales MUG
Cardiff
swmug@applewiz.biz
www.swmug.org.uk

[31] Sneem MUG
Sneem
sean@smug.ie
www.smug.ie

[32] Stroud Mac User Group
Stroud
jmuy@aol.com

[33] Suffolk Mac User Group
Ipswich
mike@mikekwasniak.co.uk
suffolkmacusergroup.co.uk

[34] Swindon MUG
Swindon
swindonmacusergroup@googlemail.com
http://swindonmacusergroup.googlepages.com

[35] Surrey MUG
Surrey
monigmagr@mac.com

[36] Three Counties MUG
Luton, Bedfordshire
info@3cmug.co.uk
www.3cmug.co.uk

[37] Wessex MUGs
Fareham, Dorchester, Bournmouth & Salisbury
enquiries@wamug.org.uk
www.wamug.org.uk

[38] Yorkshire MUG
Doncaster & other towns
ymug@mactalk.info
www.ymug.org

NEW STARTER

START YOUR OWN MUG

If you're planning on starting up a new MUG in your area, or you have recently set one up, let us know and we'll print the details here. Email **macformat@futurenet.com**

Illustration by A.k.a.

1 Sa Safari
2 Ff Firefox
3 Ca Camino
4 Ic iCab
5 Op Opera
6 Ow Omniweb
7 W Window
8 Su Surf
9 Bk Bookmark
10 T Tab
11 R Refresh
12 Rs Rss feed
13 Af Autofill
14 Ho Home
16 Li Links
17 U Upload
18 D Download
19 St Stream
20 F
21 H H.T.M.L.
TAXI

>> WEB BROWSERS

Brilliant browsers

Craig Grannell puts six browsers through their paces to see which one comes out on top

>> DID YOU KNOW?

You can run multiple browsers on your Mac, even at the same time. Most websites are well behaved, but some (such as online banks) prefer specific setups. There's nothing wrong with using, say, *Safari* for your main browser and installing *Firefox* as a backup.

Most app genres have what's become almost a default option that is Microsoft *Word* for word processing, Adobe *Photoshop* for high-end image editing, and so on. When apps are preinstalled, their position is even more secure, as with Apple's web browser, *Safari*. It's on every Mac, it's pretty smart, and so why should you consider using anything else? This group test investigates that. We examine five of *Safari*'s fiercest rivals, from cross-platform big-hitters *Firefox* and *Opera* to Mac-only efforts *Camino*, *iCab* and *OmniWeb*.

Gone are the days when website compatibility was a major factor in considering which browser to use. Today, it's all about speed and features. Every browser is aiming to become the fastest and most responsive as online sites and applications become increasingly complex and demanding under the hood; and each one is playing its own little game of one-upmanship, offering new features to entice users to ditch a rival.

Our main concern in this group test is to discover which application is the most robust, usable web browser for general surfing, with features that make your online life easier, rather than baffling with complexity. We'll look at ease of use, accessing content, bookmarking and Mac integration. Also, all tests will be done with the browser in its default setup – many browsers can be improved via plug-ins, but we're interested in how strong the foundation is.

> *"Gone are the days when site compatibility was a factor in considering which browser to use. Today, it's about speed and features"*

On test this issue

Camino 1.6.10
FREE

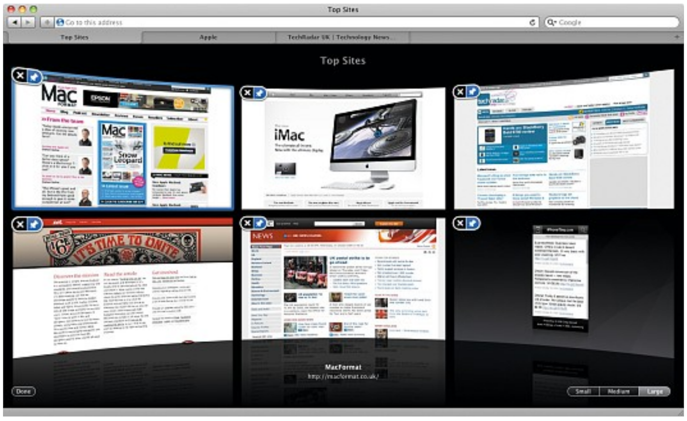
Firefox 3.5.3
Free

iCab 4.7.0
€15

OmniWeb 5.10.1
Free

Opera 10.00
Free

Safari 4.0.3
Free



Safari remains the Mac's most usable browser, thanks to innovations like Top Sites.

>> TEST ONE

Ease of use

Setup, interface and how easy the browser is to use

Although some of the browsers on test are quite complex, all are usable. *Safari* sets the benchmark – Apple's clean, efficient interface, strong design and attention to detail makes the browser a joy to use. Cover Flow within History is a mildly irksome gloss, but the Top Sites page beats *Opera's* equivalent, and tab management works brilliantly. *Camino*, once *Safari's* equal, no longer impresses as much; its honed-down interface is starting to date in key areas. Still, it's not bad.

Despite sharing *Safari's* guts, *OmniWeb* and *iCab* feel a bit clever for their own good, offering more features than *Safari*, but lacking some of its niceties. As for both of the ports, *Firefox* is ugly and alien in terms of its interface, but easy to get to grips with; *Opera* has a striking new interface, and usefully buries many advanced features out of harm's way (a bonus as far as newcomers are concerned), although its tab management leaves a little to be desired.

>> TEST RESULTS

Camino	★★★★☆
Firefox	★★★★☆
iCab	★★★☆☆
OmniWeb	★★★☆☆
Opera	★★★☆☆
Safari	★★★★★

>> TEST TWO

Performance

Snappiness, responsiveness and resource-sapping

For general use, it's tricky to differentiate between the browsers on test. All performed acceptably on a range of websites. Also, all browsers, when new, tend to feel faster than ones bogged down with your browsing history. Typically (but not always), the WebKit browsers (*iCab*, *Safari*, *OmniWeb*) feel a little snappier and *Opera* a little slothful. *Firefox* generally suffers the most over-extended use, slowing up after a few months.

In terms of resources, *Safari* is the heaviest browser regarding RAM usage, followed by *iCab*. None should tax a relatively modern Mac, however, unless you have dozens of *Flash*-oriented pages chugging away in the background. When it comes to benchmarking tests, *Camino's* dated guts are lacking regarding compatibility with modern web standards and scripting speed. *Opera* and *Firefox* also suffer somewhat during JavaScript benchmarking compared to the WebKit browsers; and of that trio, *iCab* edged *Safari* on every test we tried, with *OmniWeb* a short distance behind.

>> TEST RESULTS

Camino	★★☆☆☆
Firefox	★★★★☆
iCab	★★★★☆
OmniWeb	★★★☆☆
Opera	★★★★☆
Safari	★★★★☆

MacFormat
http://www.macformat.co.uk/
Mac FORMAT
Home
Blog
Podcast
Newsletter
Reviews
Forum
Resellers
Subscriber
About
>> From the team
Snow Leopard
>> MAC NEWS / FROM TECHRADAR.COM

Surprisingly, iCab was the fastest browser on test - more so with ad filters engaged.

>> THE NEW KID / Google's Chrome aims to shine on the Mac

For years, the web-browser market has been a two-horse race between *Internet Explorer* and *Firefox*, with the latter gradually chipping away at the former's gargantuan lead. As things stood in late 2009, *IE* commanded about two-thirds of the market, with *Firefox* on about 20%; by comparison, *Safari* accounts for about 5% of web users.

Undeterred by the odds, Google unleashed *Chrome*, which runs each tab as a separate process, so if one crashes badly, the rest soldier on, unaffected. Windows users have been impressed with Google's efforts, propelling *Chrome's* market-share to a figure matching *Safari's*. However, *Chrome for Mac* remains absent.

At the time of writing, a developer release was available from **http://dev.chromium.org/getting-involved/dev-channel**, labelled "not appropriate for general consumer use". It's promising, if a little too port-like (as with *Firefox* and *Opera*), but we're hoping it will be worth the wait.

http://www.apple.com/uk/
The new
iMac
The ultimate all-in-one.
Now with the ultimate display.

Unfortunately Chrome is not yet shiny enough for its debut on the Mac.

>> TEST THREE

Accessing content

Global, in-page search and previous content

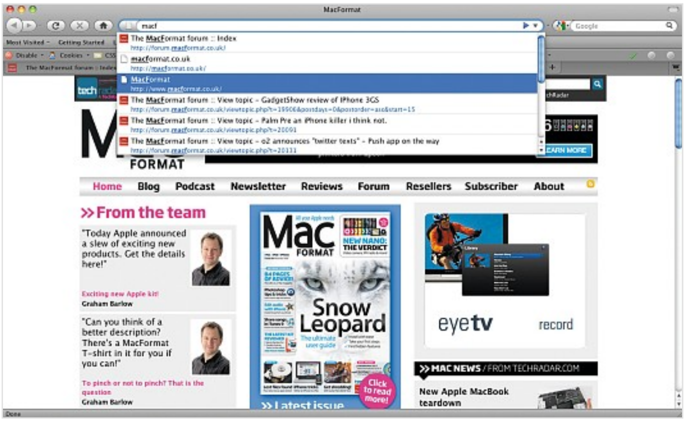
Aside from *Safari*, all browsers on test offer search engines, enabling you to switch the Google box for an alternative. *Safari* makes up for that omission with a decent suggestions drop-down (with recent searches) from the search box, a trait it shares with *Firefox*.

Safari fares much better with in-page search – the browser clearly highlights all instances of a term. *Opera* matches *Safari* here for functionality, if not aesthetics, and *Firefox* provides useful type-ahead search, but only highlights one instance of your term.

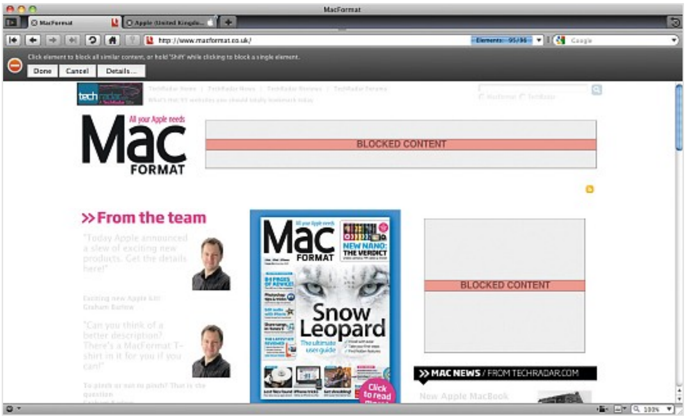
All browsers make address bar suggestions from browsing history and/or bookmarks, and three stand out: *Safari* provides a clear list showing a top hit and results from your History and Bookmarks; *Opera* doesn't categorise its list, but does take into account page content, making it possible to search via keywords within web pages along with site names or domains; and *Firefox* just finds stuff with almost uncanny accuracy – doubly so if you use its tagging system.

>> TEST RESULTS

Camino	★★☆☆☆
Firefox	★★★★★
iCab	★★☆☆☆
OmniWeb	★★★☆☆
Opera	★★★★★
Safari	★★★★☆



Firefox's aptly named 'awesome' bar makes finding content a breeze.



Opera enables you to block specific areas of page content.

>> TEST FOUR

Blocking content

Obstructing advertising and harmful phishing

Two content types need regular barring: phishing sites and online ads. With the latter, *Safari* fares poorly, only being able to block pop-ups. *Firefox* additionally enables specific-image blocking, and *Opera* goes further, enabling any content to be optionally blocked. Said block list is later editable.

The most impressive ad-blocking features belong to *OmniWeb*, *iCab* and *Camino*. *OmniWeb's* offers loads of control, enabling default block settings to be over-ridden on a per-site basis. Ad slots can also be clicked to reveal their content. *iCab* provides filters, and an example filters file bundled with the disk image removes ads from most sites. *Camino* offers similar results, via a Block web advertising option in its Web Features preferences. A pity, then, that these three browsers seem oblivious when it comes to detecting phishing sites. By comparison, *Safari*, *Opera* and *Firefox* all blocked a number of dodgy sites they were pointed at.

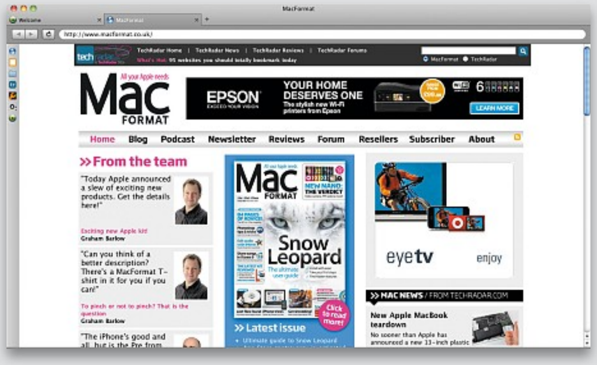
>> TEST RESULTS

Camino	★★★★☆
Firefox	★★☆☆☆
iCab	★★★☆☆
OmniWeb	★★★★☆
Opera	★★★★☆
Safari	★★☆☆☆

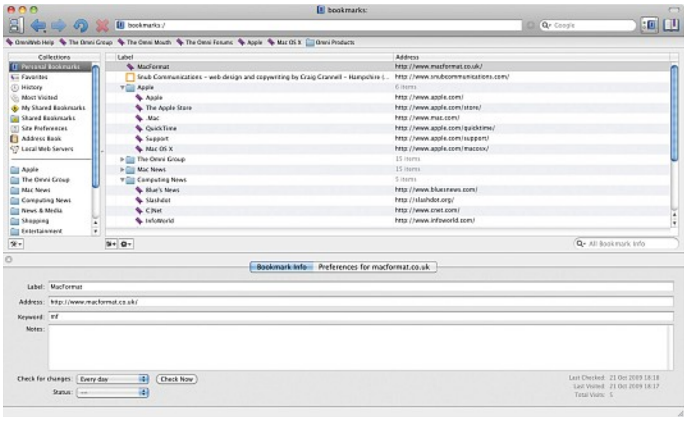
>> THE BEST OF THE REST / Other browsers to try

Although the apps in the group test represent the best or most relevant browsers for Mac users, there are alternatives. *SeaMonkey* (**www.seamonkey-project.org**) is a suite based on the guts of the defunct *Mozilla*, while *Camino 2* betas also exist (**preview.caminobrowser.org**), and address the *Camino* shortcomings mentioned in this group test. Additions include phishing protection, content zoom, tab dragging, and easy access to recent tabs.

Flock (**www.flock.com**) could be of use for social networking, with built-in Twitter, Facebook, MySpace and RSS tabs. However, we feel Mac users are better served with apps such as *Socialite* (**www.realmacsoftware.com/socialite/**). *Stainless* (**www.stainlessapp.com**) provides Mac users with a taste of *Chrome*-like multi-process goodness, and adds parallel sessions; it's currently very basic, but, like *Chrome*, it has the potential to be a huge hit on Mac OS X.



At the moment Stainless is a bit too simple, but its full of potential.


bookmarks:
bookmarks:/
Google
OmniWeb Help
The Omni Group
The Omni Mouth
The Omni Forums
Apple
Mac OS X
Omni Products
Collections
Personal Bookmarks
Favorites
History
Most Visited
My Shared Bookmarks
Shared Bookmarks
Site Preferences
Address Book
Local Web Servers
Apple
The Omni Group
Mac News
Computing News
News & Media
Shopping
Entertainment
All Bookmark Info
Bookmark Info
Preferences for macformat.co.uk
Check Now

Label	Address
MacFormat	http://www.macformat.co.uk/
Snub Communications – web design and copywriting by Craig Grannell – Hampshire (…	http://www.snubcommunications.com/
Apple	6 items
Apple	http://www.apple.com/
The Apple Store	http://www.apple.com/store/
.Mac	http://www.mac.com/
QuickTime	http://www.apple.com/quicktime/
Support	http://www.apple.com/support/
Mac OS X	http://www.apple.com/macosx/
The Omni Group	15 items
Mac News	15 items
Computing News	5 items
Blue's News	http://www.bluesnews.com/
Slashdot	http://slashdot.org/
CNet	http://www.cnet.com/
InfoWorld	http://www.infoworld.com/

Label: MacFormat
Address: http://www.macformat.co.uk/
Keyword: mf
Notes:
Check for changes: Every day
Status: --
Last Checked: 21 Oct 2009 18:18
Last Visited: 21 Oct 2009 18:17
Total Visits: 5

OmniWeb's preferences enable you to subscribe to websites.

>> TEST FIVE

Bookmarking

Storing and managing shortcuts to sites and services

Modern web browsers should enable bookmarks, sorting and tab sets, and all apps on test don't disappoint. Therefore, points are largely scored for going above and beyond expected basics.

Safari and *Camino* both impress with their integration with Mac technologies, enabling automated bookmarks menus based on *Address Book* content or websites being shared via Bonjour; *Camino* also enables any bookmarks folder to be accessed from the Dock, while *Safari* bungs some Cover Flow gloss into the mix.

OmniWeb and *iCab* provide the means for subscribing to websites, and the former enables site-specific preferences to be set for many criteria. *Firefox* beats all comers, though, via its robust and flexible tagging system. You're encouraged to tag rather than file bookmarks, subsequently typing tags in the address bar to access favourite sites. Usefully, the address bar displays a star icon if you've bookmarked the active site.

>> TEST RESULTS

Camino	★★★★☆
Firefox	★★★★★
iCab	★★☆☆☆
OmniWeb	★★★★☆
Opera	★★★☆☆
Safari	★★★★☆

>> TEST SIX

Mac integration

Working with or against your Mac and Mac OS X

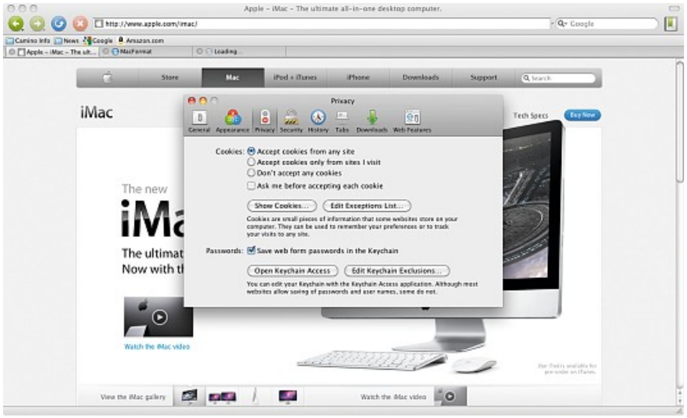
With *Opera* and *Firefox* being ports, they have a tendency to favour proprietary technology. Therefore, instead of using *Keychain* and your Mac's built-in spelling dictionary, they have their own equivalents. *Firefox* is also far from a good Mac citizen, and although *Opera's* interface impresses and feels at home on the Mac, its cross-platform roots are betrayed somewhat when you start digging.

As a Mac-only browser, *iCab* behaves much as you'd expect, and its tab exposé is a nice touch, but the general interface is ugly, often making the browser feel almost as alien as *Firefox*.

Safari, being an Apple app, integrates flawlessly with other technology in Mac OS X; and although *Camino* shares a layout engine with *Firefox*, it mostly feels as native as *Safari*, utilising *Address Book*, *Keychain* and *Bonjour*. *OmniWeb* is also generally a good Mac app, although its drawer-based tabs and tiny preferences content feel like a relic from a bygone Mac age.

>> TEST RESULTS

Camino	★★★★☆
Firefox	★★☆☆☆
iCab	★★★☆☆
OmniWeb	★★★☆☆
Opera	★★☆☆☆
Safari	★★★★★


Apple – iMac – The ultimate all-in-one desktop computer.
http://www.apple.com/imac/
Google
Camino Info
News
Google
Amazon.com
MacFormat
Apple – iMac – The ult…
Loading…
Store
Mac
iPod + iTunes
iPhone
Downloads
Support
iMac
The new
iMa
The ultimat
Now with t
Tech Specs
Buy Now
Watch the iMac video
View the iMac gallery
Watch the iMac video
Privacy
General
Appearance
Privacy
Security
History
Tabs
Downloads
Web Features
Show Cookies…
Edit Exceptions List…
Open Keychain Access
Edit Keychain Exclusions…

Cookies: ● Accept cookies from any site
○ Accept cookies only from sites I visit
○ Don't accept any cookies
☐ Ask me before accepting each cookie

Cookies are small pieces of information that some websites store on your computer. They can be used to remember your preferences or to track your visits to any site.

Passwords: ☑ Save web form passwords in the Keychain

You can edit your Keychain with the Keychain Access application. Although most websites allow saving of passwords and user names, some do not.

Despite sharing a layout engine with Firefox, Camino is all Mac.

>> THE WINNER / Safari

It's always good to see a lack of poor products on test. However, in terms of recommendation, *iCab* falls first. It's fast and feature-rich, but ugly, a little dated, and has a price tag. We can't justify paying for a browser when free, superior alternatives exist. *OmniWeb* and *Camino* are also out of the running, due to being dated. *OmniWeb's* in a holding pattern and doesn't look likely to make strides forward any time soon, but we're hopeful *Camino 2* (when it appears) could revitalise that browser's fortunes.

That leaves *Opera*, *Firefox* and *Safari* – the big-hitters. The problem with both *Opera* and *Firefox* is they obviously feel like ports, often betraying their cross-platform roots. We want something truly Mac-like. Therefore, the prize goes to *Safari*, which combines usability and Macness with decent features for accessing content. The lack of content-blocking and keyboard shortcut tools is annoying, however. For those who want more than just browsing, *Firefox* is a worthy, feature-rich, extensible runner-up.

Safari noses ahead, but could still do with extra features.

Mac FORMAT Winner!

>> WEB BROWSERS / At a glance

Camino 1.6.10

★★★☆☆

Firefox 3.5.3

★★★★☆

iCab 4.7.0

★★⯪☆☆

SPECIFICATIONS			
Price	Free	Free	€15
URL	www.caminobrowser.org	www.mozilla.com/firefox/	www.icab.de
Minimum OS	10.3.9	10.4	10.3.9
Download size	15.9 MB	17.4 MB	11.1 MB
Layout engine	Gecko	Gecko	WebKit
Crash recovery	Yes	Yes	No
Content blocking	Pop-ups, scripts, web advertising, Flash animations	Phishing, pop-ups, images, scripts	Pop-ups, scripts, images, known ad sizes, third-party content/URLs
Keyword shortcuts	Pages only	Pages (via tags) and searches	No
Spellchecking	System, inline	Proprietary, inline (requires dictionary installation)	System, inline
Private browsing	No	Yes	No
Zooming	Text only	Full-content or text-only	Text only

OmniWeb 5.10.1

★★★☆☆

Opera 10.00

★★★⯪☆

Mac FORMAT Winner!

Safari 4.0.3

★★★★☆

SPECIFICATIONS			
Price	Free	Free	Free
URL	www.omnigroup.com	www.opera.com	www.apple.com/uk/safari/
Minimum OS	10.4.8	10.3	10.4.11
Download size	16.6 MB	10.6 MB	40.2 MB
Layout engine	WebKit	Presto	WebKit
Crash recovery	Yes (via workspace autosave)	Yes	Yes (via menu)
Content blocking	Pop-ups, scripts, images, animations, known ad sites, third-party content, blocked URLs	Phishing, pop-ups, images, sound, scripts, user-defined page content	Phishing, pop-ups
Keyword shortcuts	Pages and searches	Pages and searches	No
Spellchecking	System, inline	Proprietary, inline	System, inline
Private browsing	No	No	Yes
Zooming	Text only	Full-content only	Full-content or text only

Save up to 40%

on the perfect gift for Christmas!

PlayStation
Official Magazine - UK
Bioshock 2

Save 35%
£50.62 - 13 issues

Simply Knitting

Save 35%
£42.17 - 13 issues

Total Guitar
STARS

Save 35%
£42.17 - 13 issues

Digital Camera
photographs at home

Save 35%
£33.72 - 13 issues

Nintendo
REDSTEEL 2

Save 30%
£36.31 - 13 issues

TOTAL FILM
X-MEN ORIGINS
WOLVERINE

Save 30%
£36.31 - 13 issues

T3
40 GADGETS THAT WILL SAVE THE PLANET

Save 35%
£33.72 - 13 issues

CYCLING PLUS
BIKE OF THE YEAR

Save 35%
£33.72 - 13t issues

arts
Get inspired!

Save 35%
£50.70 - 13 issues

CLASSIC ROCK
Deep Purple

Save 25%
£43.88 - 13 issues

Give a magazine subscription this Christmas!

Special Christmas offer!

A subscription makes the ideal gift bringing information and entertainment to your chosen recipient each and every month, throughout the year. Choose from any of the magazines above or go online and choose from over 60 titles!

- A **perfect Christmas present** they can enjoy throughout the year
- Convenient and **free home delivery** every month
- Plus a **free gift card** you can personalise to announce your gift

my**favourite**magazines.co.uk/z601

0844 848 2852 **Quote Z601**
(lines open Monday-Friday 8am-9.30pm and Saturday 8am-4pm)

Mac FORMAT

Future Publishing Ltd,
30 Monmouth Street,
Bath BA1 2BW
Tel 01225 442 244
Fax 01225 732 295
macformat@futurenet.com
www.macformat.co.uk
www.twitter.com/MacFormat

EDITORIAL
EDITOR **Graham Barlow**
graham.barlow@futurenet.com
DEPUTY EDITOR **Christopher Phin**
christopher.phin@futurenet.com
REVIEWS EDITOR **Ian Osborne**
ian.osborne@futurenet.com
OPERATIONS EDITOR **Michelle Camaibatiki**
michelle.camaibatiki@futurenet.com
ART EDITOR **Alex Thomas**
alex.thomas@futurenet.com
NEW MEDIA EDITOR **Simon Holland**
simon.holland@futurenet.com

EDITORIAL CONTRIBUTORS
Christopher Brennan, Clem Chambers, Richard Dyce, Andy Dyer, Jonny Evans, Bill Gallop, Craig Grannell, Tim Hardwick, Davina Rungasamy, Rod Lawton, MacFixIt, Susie Ochs, Steve Paris, Mark Sparrow, Ian Tromp, Luis Villazon, Hollin Jones

ART CONTRIBUTORS
Apple, A.K.A., Andy McLaughlin, Future Photo Studio (Joby Sessions, Jesse Wild), iStockPhoto, Sally Henderson

MANAGEMENT
GROUP SENIOR EDITOR **Nick Merritt**
CREATIVE DIRECTOR **Robin Abbott**
EDITORIAL DIRECTOR **Jim Douglas**

ADVERTISING
ADVERTISING SALES DIRECTOR **Rob Elms**
rob.elms@futurenet.com
ADVERTISING SALES MANAGER **Charlie Said**
charlie.said@futurenet.com
ACCOUNT MANAGER **Robert Williams**
robert.williams@futurenet.com
ACCOUNT MANAGER **Gary Clarke**
gary.clarke@futurenet.com

Want to work for **Future**?
Visit www.futurenet.com/jobs

ABC 29,447
July-Dec 2008
A member of the Audited Bureau of Circulations

MARKETING
CAMPAIGN MANAGER
Daniel Bruce daniel.bruce@futurenet.com

CIRCULATION
TRADE MARKETING MANAGER
Stuart Brown stuart.brown@futurenet.com
SUBSCRIPTIONS MANAGER
Joanne Coppin joanne.coppin@futurenet.com

PRINT & PRODUCTION
PRODUCTION CO-ORDINATOR
Charlene Vaughan
charlene.vaughan@futurenet.com
PRODUCTION MANAGER
Rose Griffiths rose.griffiths@futurenet.com
HEAD OF PRODUCTION
Richard Mason richard.mason@futurenet.com

LICENSING
INTERNATIONAL LICENSING DIRECTOR
Tim Hudson tim.hudson@futurenet.com
Tel: + 44 (0)1225 442244
Fax: + 44 (0)1225 732275

FUTURE PUBLISHING LIMITED
PUBLISHING DIRECTOR **Stuart Anderton**
stuart.anderton@futurenet.com
CHIEF OPERATING OFFICER **Simon Wear**
UK CHIEF EXECUTIVE **Robert Price**
CHIEF EXECUTIVE **Stevie Spring**

SUBSCRIPTIONS
Phone: **0844 848 2852**
Web: **www.myfavouritemagazines.co.uk**
Email: **future@subscription.co.uk**

NEXT ISSUE ON SALE...
Wednesday 6 January 2010

Printed in the UK by
Polestar Group on behalf of Future.
Distributed in the UK by
Seymour Distribution Ltd
2 East Poultry Avenue
London, EC1A 9PT
Tel: 0207 429 4000

Future produces carefully targeted special-interest magazines, websites and events for people who share a passion. We publish more than 170 magazines and websites and 100 international editions of our titles are published across the world.

Future plc is a public company quoted on the London Stock Exchange (symbol: FUTR).

www.futureplc.com

Chief Executive: Stevie Spring
Non-executive Chairman: Roger Parry
Group Finance Director: John Bowman
Tel +44 (0)20 7042 4000 (London)
Tel +44 (0)1225 442244 (Bath)

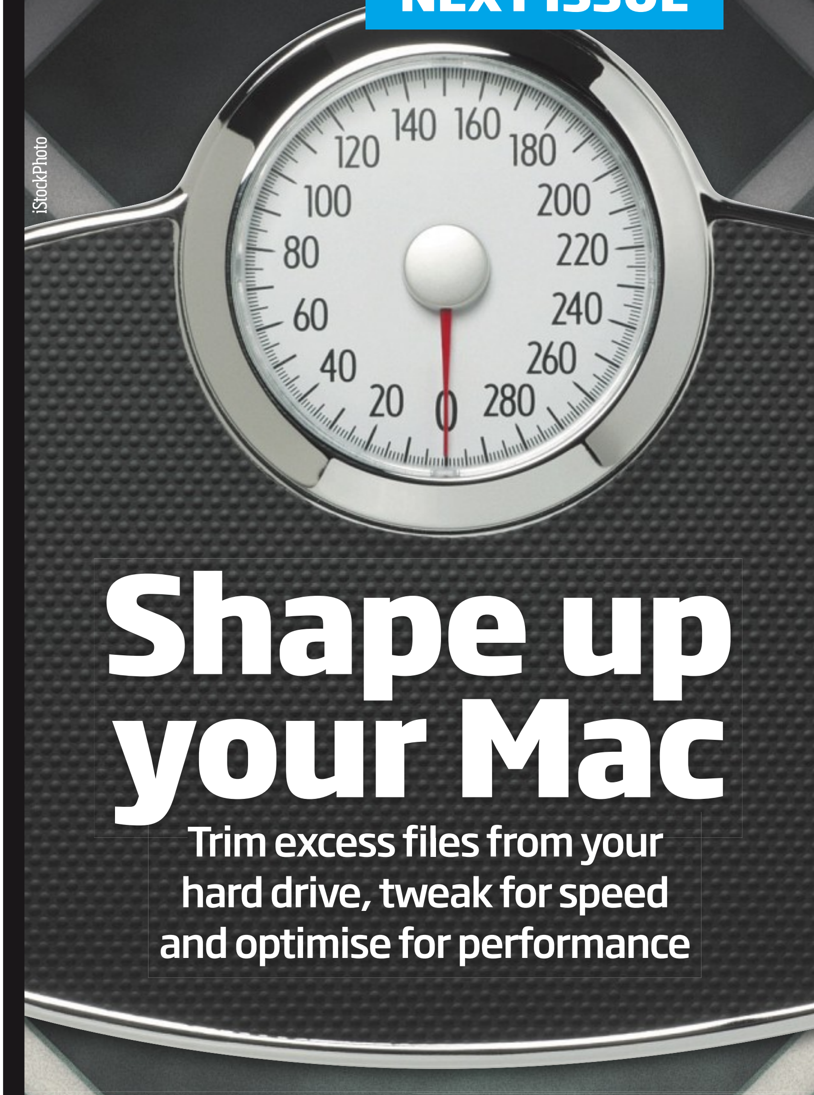
© Future Publishing Limited 2009. All rights reserved. No part of this magazine may be used or reproduced without the written permission of the publisher. Future Publishing Limited (company number 2008885) is registered in England and Wales. The registered office of Future Publishing Limited is at Beauford Court, 30 Monmouth Street, Bath BA1 2BW. All information contained in this magazine is for information only and is, as far as we are aware, correct at the time of going to press. Future cannot accept any responsibility for errors or inaccuracies in such information. Readers are advised to contact manufacturers and retailers directly with regard to the price of products/services referred to in this magazine. If you submit unsolicited material to us, you automatically grant Future a licence to publish your submission in whole or in part in all editions of the magazine, including licensed editions worldwide and in any physical or digital format throughout the world. Any material you submit is sent at your risk and, although every care is taken, neither Future nor its employees, agents or subcontractors shall be liable for loss or damage.

FSC
Mixed Sources
Product group from well-managed forests and other controlled sources
Cert no. TT-COC-1815
www.fsc.org
© 1996 Forest Stewardship Council

We are committed to only using magazine paper which is derived from well managed, certified forestry and chlorine-free manufacture. Future Publishing and its paper suppliers have been independently certified in accordance with the rules of the FSC (Forest Stewardship Council).

recycle
When you have finished with this magazine please recycle it.

NEXT ISSUE



iStockPhoto

Shape up your Mac

Trim excess files from your hard drive, tweak for speed and optimise for performance

Apple TV 3.0

We put the new software update through its paces

DISCOVER HOW TO...

- Personalise Mac OS X
- Clean a Mighty Mouse scroll ball
- Master RSS feeds on a Mac

ALL THIS AND MORE!

Contents subject to change

Mac FORMAT
ON SALE
Wednesday 6 January 2010

WHAT SMARTPHONE?

Sony Ericsson

The UK's most comprehensive independent smartphone reviews are exclusively at TechRadar.com. And when you've decided which one's best for you, you can find the best deal from over 100,000 options.

Get the best phone at the best price
Visit techradar.com/phones today

techradar.com
Deep into technology

iPod
Back to Black
Amy Winehouse
Back to Black
★★★★★
5 of 436
3:32
-0:27
MENU

"There's no way anybody would be disappointed to get an iPod classic for Christmas!"

» iPOD CLASSIC P120

REVIEWS

HOW TO BUY

How to buy a new Mac 116
Choose the right Mac 118
How to buy an iPod 120
iPhone vs iPod touch 121

TOP GEAR

Keyboards & mice 122
Printers & all-in-ones 122
Displays 122
Speakers/headphones 122
Digital cameras 123
Digital video cameras 123
Routers/networking 123
Storage 123
iPod accessories 124
Mac accessories 124
iPhone applications 124
System utilities 124
Home office 125
Visual tools & layout 125
Games 125
Multimedia software 125

Buyers' Guide

- DESKTOPS
- LAPTOPS
- iPODS
- iPHONES
- SOFTWARE

Graham Barlow
Editor

The big news this month is that just as we went to press, Apple's i5 and i7 27-inch iMacs – boasting Intel's quad-core Nehalem processor – started shipping. We review the 3.06GHz Core 2 Duo version of the 27-inch iMac this issue (see page 84), but it's safe to assume the i5 and i7 versions will be significantly faster. We'll be able to tell you exactly how much faster next issue, once we got our hands on one. As you can see over the page, the 2.66GHz i5 version of the 27-inch iMac is a whopping £400 more expensive than the 3.06GHz Core 2 Duo version, and the 2.8GHz i7 is only available as a build-to-order option that adds another £160, so take that into consideration when ordering. If you're mainly going to use your Mac as a media centre or for some web browsing, then all that extra power isn't going to be fully utilised, so you could always save yourself some cash and settle for the perfectly adequate Core 2 Duo version.

» BUYING ADVICE YOU CAN TRUST

Our mission is to ensure that when you buy a Mac-related product, you are completely informed about its best and worst features. We have a cast-iron policy of editorial independence. **For the latest prices and full reviews, see the TechRadar URL listed next to each review.**

Sponsored by

THE CHEAPEST & BEST PLACE TO BUY A MAC!
This is... computer warehouse
"My best buddy"
YOUR CHANCE TO SAVE £££s!
☎ 0208 400 1234
computerwarehouse.co.uk
Authorised Reseller

How to buy a new Mac

Not sure which Mac to buy? We'll help you make the right choice

» DID YOU KNOW THIS?

The new 27-inch iMacs can be wall-mounted, and also offer video-in so you can use them as a monitor. The top-of-the-range model features a new Intel Core i5 Quad Core processor too.

As recently as October 2009, Apple updated its iMac range, as well as beefing up the specs of its Mac minis and revising its one and only MacBook. The iMac range now comes supplied with the new Apple Magic Mouse, which incorporates a Multi-Touch surface for 360-degree scrolling, two-fingered swiping and screen zoom.

All Macs come with Intel Core 2 Duo chips as a minimum, so whichever Mac you choose, you know it's going to be powerful. So now you need to choose whether you need a notebook or a desktop. To work on the move, you need a notebook.

> *"The iMac range now comes with the new Apple Magic Mouse, which incorporates a Multi-Touch surface"*

Making your mind up

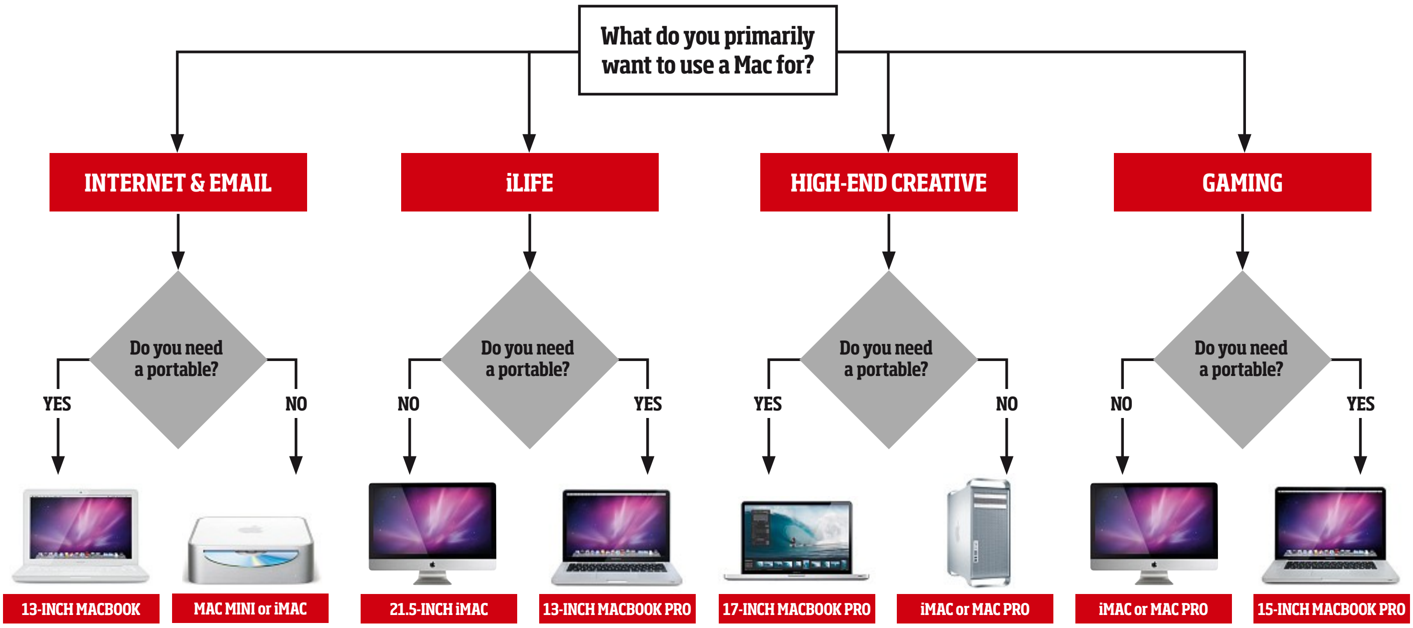
Notebook choice is between the MacBook Pro, MacBook and MacBook Air. The brand-new white MacBook is just £799, and offers a 2.26GHz processor, a 250GB hard drive and a 13-inch LED-backlit glossy widescreen display. Although it's Apple's entry-level notebook, it's still a powerful and capable machine that's ideal for students and backpackers.

The MacBook Pro family had been extended, and is now more affordable than ever. It's ideal for more processor-hungry work like video-editing or running 3D programs, as they run at higher speeds and have a faster hard drive. Starting us off are the 13-inch models with 2.26 or 2.53GHz processors and up to 4GB RAM. There are now three 15-inch versions to choose from: 2.53GHz, 2.66GHz or 2.8GHz. From £1,299, these mid-level MacBook Pros offer more screen space than the 13-inch versions and better graphics. They also have built-in SD card slots to import digital photos.

Finally we have the daddy of the family, the 2.8GHz 17-inch version with a 500GB hard drive and up to eight hours of wireless productivity. Elsewhere, the thin and light 13-inch MacBook Air has seen a speed boost and price drop. It does lack a built-in DVD drive and only has one USB 2.0 port, but it's ideally suited to a regular business traveller who takes advantage of wireless networking. An external SuperDrive will set you back an extra £64.

Apple offers three choices of desktop Mac. The Mac mini may look tiny, but it packs a punch.

CHOOSING A MAC / WHICH ONE IS RIGHT FOR YOU?


What do you primarily want to use a Mac for?
INTERNET & EMAIL
iLIFE
HIGH-END CREATIVE
GAMING
Do you need a portable?
YES
NO
Do you need a portable?
NO
YES
Do you need a portable?
YES
NO
Do you need a portable?
NO
YES
13-INCH MACBOOK
MAC MINI or iMAC
21.5-INCH iMAC
13-INCH MACBOOK PRO
17-INCH MACBOOK PRO
iMAC or MAC PRO
iMAC or MAC PRO
15-INCH MACBOOK PRO

If you want a desktop Mac, you have the choice of a Mac mini, iMac or Mac Pro. If you're on a budget or desk space is limited, go for a Mac mini. The October 2009 revision improved the machine's specs without increasing the price. For £499, you now get a 2.26GHz machine with 2GB RAM and 160GB hard drive. The high-end model offers a 2.53GHz processor with 4GB RAM and a 320GB hard drive for £649. You will need a monitor, keyboard and mouse, though.

Re-imagined iMacs

The October 2009 revision to the iMac range gave us four new machines, with prices starting at £949. The two cheaper iMacs boast a 21.5-inch display, while the two high-end models include a 27-inch screen. Interestingly, three of the four iMacs have 3.06GHz Intel Core 2 Duo processors, which can be increased to 3.33GHz if you customise your iMac at the online Apple Store, but the top-of-the-range model is based on a 2.66GHz quad core Intel Core i5, with a 2.8GHz quad core Intel Core i7 available as a configuration option.

These all-in-ones almost rival a Mac Pro, although for really intensive work you need to buy Apple's high-end Mac. With a minimum spec of one Quad-Core 2.66GHz Intel Xeon processor, there's nothing you can't throw at a Mac Pro. With numerous configuration options, you can be sure the Mac you order is built to your requirements. Prices start from £1,899, but with the options of 32GB RAM upgrades and larger hard drives, you could spend a fortune. If you opt for a Mac mini or Mac Pro, you'll need a display, and Apple's Cinema Displays are ideal, with the 30-inch HD display at £1,173 or the 24-inch LED display at £635.

All new Macs come with Mac OS X 10.6 Snow Leopard and the *iLife '09* suite preinstalled. ●

> *"All new Macs come equipped with Mac OS X 10.6 Snow Leopard and the iLife '09 suite preinstalled"*

DID YOU KNOW THIS?

Every notebook in Apple's MacBook and MacBook Pro range now features a glass trackpad with Multi-Touch gestures support and an LED backlit screen.

The latest portable Macs come complete with a gorgeous and hard-wearing aluminium finish.

Sponsored by

THE CHEAPEST & BEST PLACE TO BUY A MAC!
This is... computer warehouse
"My best buddy"
YOUR CHANCE TO SAVE £££s!
☎ 0208 400 1234
computerwarehouse.co.uk
Authorised Reseller

Your choice of Apple gear

Let us help you make the right purchase

21.5-inch 3.06GHz
£949
- 3.06GHz Intel Core 2 Duo
- 21.5-inch glossy widescreen (1,920x1,080 pixels)
- 4GB RAM (2x 2GB DDR3 SDRAM) • 500GB hard drive
- 8x double-layer SuperDrive (DVD±R DL/DVD±RW/CD-RW) • NVIDIA GeForce 9400M with 256MB DDR3 memory • 4x USB 2.0 ports; 1x FireWire 800; 1xSD card
- Ships with Mac OS X Snow Leopard, iLife '09, Magic Mouse, keyboard

27-inch 3.06GHz
£1,349
- 3.06GHz Intel Core 2 Duo
- 27-inch glossy widescreen (2560x1440 pixels)
- 4GB RAM (2x 2GB DDR3 SDRAM) • 1TB hard drive
- 8x double-layer SuperDrive (DVD±R DL/DVD±RW/CD-RW) • ATI Radeon HD 4670 graphics, 256MB DDR3 memory • 4x USB 2.0 ports; 1x FireWire 800; 1xSD card; video-in port • Ships with Mac OS X Snow Leopard, iLife '09, Magic Mouse, keyboard

iMac

Updated October 2009

21.5-inch 3.06GHz
£1,199
- 3.06GHz Intel Core 2 Duo
- 21.5-inch glossy widescreen (1,920x1,080 pixels)
- 4GB RAM (2x 2GB DDR3 SDRAM) • 1TB hard drive
- 8x double-layer SuperDrive (DVD±R DL/DVD±RW/CD-RW) • ATI Radeon HD 4670 graphics, 256MB DDR3 memory • 4x USB 2.0 ports; 1x FireWire 800; 1xSD card
- Ships with Mac OS X Snow Leopard, iLife '09, Magic Mouse, keyboard

27-inch 2.66GHz (Quad Core) £1,599
- 2.66GHz Intel Core i5 Quad Core • 27-inch glossy widescreen (2560x1440 pixels) • 4GB RAM (2x 2GB DDR3 SDRAM) • 1TB hard drive • 8x double-layer SuperDrive (DVD±R DL/DVD±RW/CD-RW) • ATI Radeon HD 4850 graphics, 512MB DDR3 memory • 4x USB 2.0 ports; 1x FW 800; 1xSD card; video-in port • Mac OS X Snow Leopard, iLife '09, Magic Mouse, keyboard

>> DID YOU KNOW THIS?

Despite being tiny, the latest Mac mini from Apple now has five USB 2.0 ports and one FireWire 800 port.

2.26GHz 160GB
£499
- 2.26GHz Intel Core 2 Duo
- 2GB RAM (2x 1GB DDR3 SDRAM) • 160GB Serial ATA, 5,400 rpm hard drive
- 3MB shared L2 cache
- NVIDIA GeForce 9400M with 256MB of shared DDR3 SDRAM
- 8x double-layer SuperDrive (DVD+R DL/DVD±RW/CD-RW)
- AirPort Extreme (802.11n)
- 1x FireWire 800 port
- 5x USB 2.0 • Mac OS X Snow Leopard, iLife '09
- Mini-DVI to DVI adaptor

Updated October 2009

Mac mini

2.53GHz 320GB
£649
- 2.53GHz Intel Core 2 Duo
- 4GB RAM (2x 2GB DDR3 SDRAM) • 320GB Serial ATA, 5,400 rpm hard drive
- 3MB shared L2 cache
- NVIDIA GeForce 9400M with 256MB of shared DDR3 SDRAM
- 8x double-layer SuperDrive (DVD+R DL/DVD±RW/CD-RW)
- AirPort Extreme (802.11n)
- 1x FireWire 800 port
- 5x USB 2.0 • Mac OS X Snow Leopard, iLife '09
- Mini-DVI to DVI adaptor

Mac Pro

Quad-Core
£1,899
- 2.66GHz Quad-Core Intel Xeon
- 3GB RAM (3x 1GB DDR3 ECC SDRAM)
- NVIDIA GeForce GT 120 with 512MB of GDDR3 with Mini DisplayPort and dual-link DVI video output
- 640GB 7,200rpm Serial ATA 3Gb/s
- 18x SuperDrive with double-layer support (DVD+R DL/DVD±RW/CD-RW)
- 3x open full-length PCI Express 2.0 expansion slots
- 5x USB 2.0; 4x FireWire 800 ports
- Keyboard & Mighty Mouse

8-Core
£2,499
- 2x 2.66GHz Quad-Core Intel Xeon
- 6GB RAM (6x 1GB DDR3 ECC)
- NVIDIA GeForce GT 120 with 512MB of GDDR3 with Mini DisplayPort and dual-link DVI video output
- 640GB 7,200rpm Serial ATA 3Gb/s
- 18x SuperDrive with double-layer support (DVD+R DL/DVD± RW/CD-RW)
- 3x open full-length PCI Express 2.0 expansion slots
- 5x USB 2.0; 4x FireWire 800 ports
- Keyboard & Mighty Mouse

Updated
March
2009

13-inch 1.86GHz
£1,149
- 13.3-inch LED-backlit glossy widescreen 1,280x800 pixels
- 1.86GHz Intel Core 2 Duo processor
- 2GB DDR3 SDRAM
- 120GB Serial ATA, 4,200rpm
- Built-in 802.11n WiFi and Bluetooth 2.1 + EDR
- NVIDIA GeForce 9400M with 256MB shared DDR3 SDRAM
- Mac OS X Snow Leopard
- 1x USB 2.0 port
- Mini DisplayPort
- MagSafe power adaptor

13-inch 2.13GHz
£1,349
- 13.3-inch LED-backlit glossy widescreen 1,280x800 pixels
- 2.13GHz Intel Core 2 Duo processor
- 2GB DDR3 SDRAM
- 128GB solid-state drive
- Built-in 802.11n WiFi and Bluetooth 2.1 + EDR
- NVIDIA GeForce 9400M with 256MB shared DDR3 SDRAM
- Mac OS X Snow Leopard
- 1x USB 2.0 port
- Mini DisplayPort
- MagSafe power adaptor

MacBook Air

13-inch white 2.26GHz
£799
- 13.3-inch glossy widescreen, 1,280x800 pixels
- 2.26GHz Intel Core 2 Duo
- 3MB shared L2 cache
- 2GB RAM (2x DDR2SDRAM)
- 250GB Serial ATA,5,400rpm
- 8x SuperDrive (DVD±R DL/DVD±RW/CD-RW)
- NVIDIA GeForce 9400M with 256MB shared DDR3 SDRAM
- AirPort Extreme
- Built-in iSight video camera
- Bluetooth 2.0

MacBook

13-inch 2.26GHz
£899
- 13.3-inch LED-backlit glossy widescreen 1,280x800 pixels
- 2.26GHz Intel Core 2 Duo 3MB shared L2 cache
- 2GB (2x 1GB DDR3 SDRAM)
- 160GB, 5,400rpm Serial ATA
- SuperDrive 8x (DVD±R DL/DVD±RW/CD-RW)
- NVIDIA GeForce 9400M with 256MB DDR3 SDRAM
- Precision aluminium unibody
- Mac OS X Snow Leopard and iLife '09
- 1x FireWire 800, 2x USB 2.0, 1x SD card slot

13-inch 2.53GHz
£1,149
- 13.3-inch LED-backlit glossy widescreen 1,280x800 pixels
- 2.53GHz Intel Core 2 Duo 3MB shared L2 cache
- 4GB (2x 2GB DDR3 SDRAM)
- 250GB, 5,400rpm Serial ATA
- SuperDrive 8x (DVD±R DL/DVD±RW/CD-RW)
- NVIDIA GeForce 9400M with 256MB DDR3 SDRAM
- Precision aluminium unibody
- Mac OS X Snow Leopard and iLife '09
- 1x FireWire 800, 2x USB 2.0, 1x SD card slot

15-inch 2.53GHz
£1,299
- 15.4-inch LED-backlit glossy widescreen 1,440x900 pixels
- 2.53GHz Intel Core 2 Duo 3MB shared L2 cache
- 4GB (2x 2GB DDR3 SDRAM)
- 250GB, 5,400rpm Serial ATA
- SuperDrive 8x (DVD±R DL/DVD±RW/CD-RW)
- NVIDIA GeForce 9400M with 256MB GDDR3 memory
- Precision aluminium unibody
- Mac OS X Snow Leopard and iLife '09
- 1x FireWire 800, 2x USB 2.0, 1x SD card slot

15-inch 2.66GHz
£1,499
- 15.4-inch LED-backlit glossy widescreen 1,440x900 pixels
- 2.53GHz Intel Core 2 Duo 3MB shared L2 cache
- 4GB (2x 2GB DDR3 SDRAM)
- 320GB, 5,400rpm Serial ATA
- SuperDrive 8x
- NVIDIA GeForce 9400M with 256MB GDDR3 memory + 9600M GT with 256MB GDDR3 memory
- Mac OS X Snow Leopard and iLife '09
- 1x FireWire 800, 2x USB 2.0, 1x SD card slot

15-inch 2.8GHz
£1,699
- 15.4-inch LED-backlit glossy widescreen 1,440x900 pixels
- 2.8GHz Intel Core 2 Duo 6MB shared L2 cache
- 4GB (2x 2GB DDR3 SDRAM)
- 500GB, 5,400rpm Serial ATA
- SuperDrive 8x
- NVIDIA GeForce 9400M with 256MB GDDR3 memory + 9600M GT with 512MB GDDR3 memory
- Mac OS X Snow Leopard and iLife '09
- 1x FireWire 800, 2x USB 2.0, 1x SD card

17-inch 2.8GHz
£1,849
- 17-inch LED-backlit glossy widescreen 1,920x1,200 pixels
- 2.8GHz Intel Core 2 Duo 6MB shared L2 cache
- 4GB (2x 2GB DDR3 SDRAM)
- 500GB, 5,400rpm Serial ATA
- SuperDrive 8x
- NVIDIA GeForce 9400M with 256MB DDR3 SDRAM + 9600M GT with 512MB GDDR3 memory
- Mac OS X Snow Leopard and iLife '09
- 1x FireWire 800, 3x USB 2.0, 1x ExpressCard/34 slot

Updated
October
2009

MacBook Pro

iPod
Music
Videos
Photos
Podcasts
Extras
Settings
Shuffle Songs
Now Playing
MENU
9:42 AM
Akon
Beautiful
Freedom
3:40
2 of 14
-1:32
MENU

Sponsored by
THE CHEAPEST & BEST PLACE TO BUY A MAC!
This is... computer warehouse
"My best buddy"
YOUR CHANCE TO SAVE £££s!
☎ 0208 400 1234
computerwarehouse.co.uk
Authorised Reseller

How to buy an iPod

The iPod family has never looked better; we help you find your ideal model

The iPod range got a significant update in September 2009. The nano enjoyed the biggest revision, with a new camera that captures audio and video, but can't take still photographs. It also offers a larger screen at 2.2 inches corner to corner, an FM radio with Live Pause functionality and a pedometer.

The shuffle's VoiceOver feature makes its way to the nano too, so you can navigate through your artists, songs and playlists without looking at the screen. Curiously, although the 16GB nano has dropped in price to £135 from £146, the 8GB model is up to £115 from £107, making the higher-capacity nano a much more attractive option.

The iPod shuffle has had a minor update. You now have five colours to choose from, not just black or grey. It comes in two capacities, a 2GB model for £45 and a 4GB version for £59. For our money, the 4GB shuffle is better value. If you're feeling rich, there's a special edition iPod shuffle stainless steel model, which is available exclusively from Apple stores (including online) and costs £75. It's very shiny, but considering it's functionally identical to the standard 4GB model, is it really worth the extra money?

Keeping in touch

The iPod touch also got an upgrade in September 2009, but not with a camera, as had been predicted. The 16GB model is dropped and a new 64GB version added. The 32GB model is reduced in price to £229 from £283, and the 8GB version is down to £149 from £165. The new 32GB and 64GB iPod touch models feature improved performance and support for OpenGL ES Version 2.0 graphics, which is great news for gamers. Now your games can offer more realistic textures and even greater detail.

And finally, don't forget the classic. At £189 for 160GB, it still offers the best cost-per-GB ratio of any iPod. ●

> *"The new 32GB and 64GB iPod touch feature improved performance and support for OpenGL ES 2.0 graphics"*

Updated
September
2009
MENU
MENU

iPod classic

iPod classic 160GB

£189

- Up to 40,000 songs
- Up to 25,000 photos
- Up to 200 hours of video
- Available in black and silver
- 2.5-inch screen
- 320x240 pixels
- Battery lasts up to 36 hours (audio)
- Battery lasts up to 6 hours (video)
- 103.5x61.8x10.5mm
- 140g

iPod nano 8GB

£115

- Up to 2,000 songs
- Up to 7,000 photos
- Up to 8 hours of video
- Available in silver, black, purple, blue, green, yellow, orange, pink and PRODUCT (RED) • 2.2-inch diagonal screen • 320x240 pixels
- Battery lasts up to 24 hours (audio) or 4 hours (video)
- Includes camera & FM radio
- 90.7x38.7x6.2mm
- 36.8g

iPod nano 16GB

£135

- Up to 4,000 songs
- Up to 14,000 photos
- Up to 16 hours of video
- Available in silver, black, purple, blue, green, yellow, orange, pink and PRODUCT (RED) • 2.2-inch diagonal screen • 320x240 pixels
- Battery lasts up to 24 hours (audio) or 4 hours (video)
- Includes camera & FM radio
- 90.7x38.7x6.2mm
- 36.8g

Updated
September
2009
MENU

iPod nano

iPod shuffle

Updated
September
2009

iPod shuffle 2GB

£45

- Up to 500 songs
- No ability to display photos or videos
- Available in a range of colours
- No screen
- VoiceOver technology enables iPod to talk to you
- Battery lasts up to 10 hours (audio)
- 45.2x17.5x7.8mm
- 10.7g

iPod shuffle 4GB

£59

- Up to 1,000 songs
- No ability to display photos or videos
- Available in a range of colours
- No screen
- VoiceOver technology enables iPod to talk to you
- Battery lasts up to 10 hours (audio)
- 45.2x17.5x7.8mm
- 10.7g

iPhone

Updated
June
2009

8 of 38
Voice Control
call
play
shuffle
Cancel
315° NW

iPhone 3G 8GB

£342.50

- Available in black
- 3.5-inch widescreen
- 320x480 pixels • WiFi (802.11b/g)• Quad-band GSM, tri-band 3G • Assisted GPS • Bluetooth 2.0 + EDR Battery lasts up to 24 hours (audio) • Battery lasts up to 7 hours (video) • Battery lasts up to 10 hours (talktime)
- 300 hours (standby)
- 115.5x62.1x12.3mm • 133g

For contract and tariff info go to **www.o2.co.uk**

iPhone 3GS 16GB

£440.40

- Available in black or white
- 3.5-inch widescreen
- 320x480 pixels • WiFi (802.11b/g) • Quad-band GSM, tri-band 3G • Assisted GPS • Bluetooth 2.0 + EDR
- Photo and video geotagging
- Battery lasts up to 30 hours (audio) • Battery lasts up to 10 hours (video) • Battery lasts up to 12 hours (talktime)
- 115.5x62.1x12.3mm • 135g

For contract and tariff info go to **www.o2.co.uk**

iPhone 3GS 32GB

£538.30

- Available in black or white
- 3.5-inch widescreen
- 320x480 pixels • WiFi (802.11b/g) • Quad-band GSM, tri-band 3G • Assisted GPS • Bluetooth 2.0 + EDR
- Photo and video geotagging
- Battery lasts up to 30 hours (audio) • Battery lasts up to 10 hours (video) • Battery lasts up to 12 hours (talktime)
- 115.5x62.1x12.3mm • 135g

For contract and tariff info go to **www.o2.co.uk**

iPod touch

Updated
September
2009

iPod touch 8GB

£149

- Up to 1,750 songs
- Up to 10,000 photos
- Up to 10 hours of video
- Available in black
- 3.5-inch screen
- 320x480 pixels
- WiFi (802.11b/g)
- Nike + iPod support
- Battery lasts up to 22 hours (audio) • Battery lasts up to 5 hours (video)
- 110x61.8x8mm
- 120g

iPod touch 32GB

£229

- Up to 7,000 songs
- Up to 25,000 photos
- Up to 40 hours of video
- Available in black
- 3.5-inch screen
- 320x480 pixels
- WiFi (802.11b/g)
- Nike + iPod support
- Battery lasts up to 22 hours (audio) • Battery lasts up to 5 hours (video)
- 110x61.8x8mm
- 120g

iPod touch 64GB

£299

- Up to 14,000 songs
- Up to 50,000 photos
- Up to 80 hours of video
- Available in black
- 3.5-inch screen
- 320x480 pixels
- WiFi (802.11b/g)
- Nike + iPod support
- Battery lasts up to 22 hours (audio) • Battery lasts up to 5 hours (video)
- 110x61.8x8mm
- 120g

>> iPHONE vs iPOD TOUCH

The iPhone is not just a phone – it's also a great iPod. Steve Jobs even called it "the best iPod Apple has ever made". But at 8GB the iPhone 3G is not capacious, which is annoying as the 3.5-inch screen just calls out for you to load it up with bulky video files. The latest iPhone 3GS comes in a 32GB size, which is more like the kind of capacity you need for movies, but there are some key differences between the iPod touch and iPhone.

The obvious one, of course, is that the iPod touch doesn't have the ability to make phone calls. Fair enough, but remember that this also means that the iPod touch users won't have access to the internet – browsing, updating weather and stock widgets and sending and receiving email – when out of range of a WiFi hotspot.

The payoff is that an iPhone costs a lot more, and you also have to pay for the data you use. You either have to take out a contract with O2 or buy it on Pay & Go from £342.50.

The iPod touch currently lacks many of the iPhone's features, including a camera, voice control and digital compass. Rumours that a camera would be included in a future iPod touch were not confirmed in the September 2009 update, but it may happen in the future. To find out more about iPhone 3GS tariffs visit **www.o2.co.uk**.

☎ Call: 0208 400 1234
computerwarehouse.co.uk

✓ THE CHEAPEST MACS IN EUROPE!
✓ 8 TIME MULTI AWARD WINNER
✓ UNIQUE SHOPPING EXPERIENCE

Authorised Reseller

A time warp CW '96 design

This is... computer warehouse

EDUCATION DISCOUNTS
PRICE MATCH!

NEW APPLE PRODUCTS

THE NEW IMAC

The new Apple iMac features either a 21" or a massive 27" LED backlit display with a widescreen 16"9 aspect ratio. This is the fastest iMac yet - Now with dual core Intel processors starting at 3.06GHz.

PRICES FROM £825.00

£948.75 Inc VAT (1138€) • Exclusive CW Super Offer

NEW PRODUCT! AT CW

NEW MACBOOK

13.3 inch LED backlit glossy widescreen display. Housed in a white polycarbonate unibody enclosure that slips easily into your bag or backpack. Also features a glass multitouch trackpad for precise cursor control.

PRICES FROM £689.00

£792.35 Inc VAT (958€) • Exclusive CW Super Offer

NEW MAC mini

This little powerhouse is big on speed and big on memory but extra small and extra green. Up to 2.66HGz and up to 4GB memory, built-in wireless and a NVIDIA Graphics card.

PRICES FROM £429.00 £493.35 Inc VAT (598€)

computerwarehouse.co.uk

"It's a pleasure to shop the CW way - Deals a go go, day after day!"

COMPUTER WAREHOUSE 1988 - 2009 21 YEAR ANNIVERSARY

BUY NOW - PAY LATER!!

computerwarehouse.co.uk
☎ Call: 0208 400 1234

BUYERS' GUIDE

KEYBOARDS & MICE

Apple Wireless Keyboard

★★★★★

Price: £47 **Reviewed:** Issue 189
Web: www.apple.com/uk
Full review: www.techradar.com/53760
Key specs: Dimensions: 27x11.5x1.43cm; Connections: Bluetooth only; Power: 3x AA batteries; Requires Mac OS X 10.4.10

⊕ Stunning; wireless; easy to type on; compact
⊖ Needs Mac OS X 10.4.10 to work

"The Wireless Keyboard is superb in every way. It's another design classic from the Apple creative team."

Wacom Bamboo Fun Small ★★★★★

Price: £89 **Reviewed:** Issue 214
Full review: www.techradar.com/637575
Key specs: 1,024 pressure levels; Gestures
⊕ Gesture support, good software bundle
⊖ Expensive

Macally mGlide ★★★★☆

Price: £25 **Reviewed:** Issue 212
Full review: www.techradar.com/619206
Key specs: Wireless operation; small form factor
⊕ Perfect match for your Apple keyboard
⊖ It's a little small

PRINTERS & ALL-IN-ONES

Canon PIXMA MP640

★★★★★

Price: £133 **Reviewed**: Issue 215
Web: www.canon.co.uk
Full review: www.techradar.com/644919
Key specs: Printer (9,600x2,400dpi, 5-ink printing); supports all major memory card formats; on-body printing

⊕ Phenomenal feature package; great print quality
⊖ Weak instructions might confuse newbies

"The mix of stellar print quality and an excellent feature package make the Canon MP640 a great buy."

HP Officejet Pro 8500 ★★★★☆

Price: £189 **Reviewed**: Issue 210
Full review: www.techradar.com/603509
Key specs: Printer/scanner/email; 4,800dpi
⊕ Packed with features; great text printing
⊖ Average photo printing; expensive

Lexmark E260dn ★★★★☆

Price: £218 **Reviewed:** Issue 213
Full review: www.techradar.com/268952
Key specs: Mono laser printer.
⊕ Cheap to run, easy set-up and great text quality
⊖ Simple feature set

DISPLAYS

Apple Cinema Display

★★★½☆

Price: £635 **Reviewed**: Issue 205
Web: www.apple.com/uk
Full review: www.techradar.com/500220
Key specs: 24-inch LED screen, 1,920x 1,200, 16.7 million colours, three self-powered USB ports, iSight camera

⊕ Beautiful colour reproduction; impressive sound; oozes quality
⊖ Display stand needs revamping; only for Macs with Mini DisplayPort

"An incredible piece of kit for Macs with a Mini DisplayPort. Screen quality is first rate, with great consistency."

Samsung 2233SW ★★★★½

Price: £159 **Reviewed**: Issue 213
Full review: www.techradar.com/628604
Key specs: Low-cost SyncMaster monitor
⊕ Excellent value for money
⊖ No speakers

Hanns G Hi221DP ★★★★☆

Price: £118 **Reviewed**: Issue 213
Full review: www.techradar.com/500421
Key specs: 22-inch widescreen, 1,680x1,050 res
⊕ A solid performer; good looking
⊖ Terrible built-in audio

SPEAKERS/HEADPHONES

Sennheiser CX 300-II

★★★★★

Price: £19 **Reviewed**: Issue 207
Web: www.sennheiser.co.uk
Full review: www.techradar.com/562193
Key specs: Frequency response 19Hz-21KHz; Impedance 16Ω; Weight 4g; Extras: three sets of cups and carry pouch

⊕ Superb value; great audio at a bargain price
⊖ Slightly flabby bass; there are better buds around, but not at this price

"We can't say it loudly or plainly enough: buy a set of Sennheiser CX 300-II. Accomplished sound, and cheap."

Revo Blok ★★★★½

Price: £195 **Reviewed**: Issue 209
Full review: www.techradar.com/593649
Key specs: Aux input for all recent iPods
⊕ Rich, deep sound; excellent remote
⊖ Not for iPhone; can't sync with Mac

Altec Octiv AIR M812 ★★★★☆

Price: £270 **Reviewed**: Issue 214
Full review: www.techradar.com/638130
Key specs: Wireless; iPod dock; FM tuner; Aux
⊕ Polished, rounded sound; very stylish
⊖ Could play nicer with an iPhone

» DIGITAL CAMERAS

Canon EOS 500D

★★★★☆

Price: £576 (body) **Reviewed:** Issue 209
Web: www.canon.co.uk
Full review: www.techradar.com/596771
Key specs: 15.1MP; 4,752x3,168 res; HD recording; Card formats: SD, SDHC; File formats: JPEG, RAW.

⊕ Increased ISO sensor; HD DV recording; 3-inch LCD
⊖ High price; no external mic socket for video

"If you're happy to pay for the privilege of high-quality movies, this EOS is a great buy."

Olympus µ Tough 8000 ★★★★☆

Price: £252 **Reviewed:** Issue 210
Full review: www.techradar.com/603073
Key specs: 12MP; 5-18.2mm lens
⊕ Waterproof to 10m; shockproof; good wide angle
⊖ Controls are awkward to use

Samsung ST1000 ★★★★½

Price: £295 **Reviewed:** Issue 215
Full review: www.techradar.com/644939
Key specs: OS X 10.4 or later
⊕ Good pics and movies; great GPS
⊖ Too expensive

» DIGITAL VIDEO CAMERAS

Samsung VP-HMX 20C

★★★★☆

Price: £375 **Reviewed:** Issue 202
Web: www.samsung.com/uk
Full review: www.techradar.com/528224
Key specs: 2.7-inch LCD; movie capture at 2.1MP and still image at up to 4MP; HD lens delivering 10x optical and 10x digital zoom

⊕ Good screen; lightweight; offers full HD resolution
⊖ Really need to shop around to find affordable price

"This lightweight HD camera captures high-quality video and still images. Its 80GB internal memory is a plus point."

Canon HV30 ★★★★½

Price: £755 **Reviewed:** Issue 201
Full review: www.techradar.com/468942
Key specs: HDV; DIGIC II processor; MiniDV/SD card
⊕ Superb stills and video; better than HDD
⊖ Cumbersome to use

Panasonic SDR-S26 ★★★☆☆

Price: £179 **Reviewed:** Issue 207
Full review: www.techradar.com/561668
Key specs: Sensor: 1/8 inch CCD; Compression: MPEG-2
⊕ Small enough to fit in coat pocket
⊖ Files need converting to play on Mac

» ROUTERS/NETWORKING

AVM FRITZ!Box 7270

★★★★★

Price: £180 **Reviewed:** Issue 212
Web: www.fritzbox.eu
Full review: www.techradar.com/621127
Key specs: 1x USB 2.0, 4x Ethernet, 1x WAN; 802.11n; modem supports ADSL and ADSL2; integrated DECT base station

⊕ Packed with features, including impressive array of telephony functions
⊖ No simultaneous dual band

"The router's advanced traffic-shaping feature really impressed. An extremely high quality piece of kit."

Iomega Home Media ★★★★☆

Price: £102 **Reviewed:** Issue 207
Full review: www.techradar.com/577291
Key specs: 500GB; 1x Gigabit Ethernet; 1x USB 2.0
⊕ Easy to set up and use; elegant interface
⊖ Can't set up playlists

Billion BiPAC P104 ★★★★☆

Price: £85 **Reviewed:** Issue 207
Full review: www.techradar.com/560834
Key specs: Transfer rate up to 200Mbps
⊕ Great alternative to WiFi
⊖ Bulky, though this is inevitable

» STORAGE

My Book Studio II 4TB

★★★★½

Price: £410 **Reviewed:** Issue 212
Web: www.wdc.com
Full review: www.techradar.com/618319
Key specs: 4TB; USB 2.0, FireWire 400/800 and eSATA connectivity; can be reconfigured to different RAID settings

⊕ Four terabytes; triple interface
⊖ Not exactly cheap; chassis is a little flimsy

"Impressive performance and connection for those who need extra space. Pleasantly styled and easy on the eye."

Buffalo TeraStation III 2TB ★★★★☆

Price: £635 **Reviewed:** Issue 210
Full review: www.techradar.com/604216
Key specs: 2TB capacity; 2x Gigabit Ethernet
⊕ Fast read/write performance; huge storage space
⊖ Expensive even for capacity; flimsy door

Apple Time Capsule 2TB ★★★★☆

Price: £379 **Reviewed:** Issue 213
Full review: www.techradar.com/629850
Key specs: 1x USB 2.0, 3x Ethernet, 1x WAN
⊕ Simultaneous dual band; high capacity
⊖ No built-in modem

☎ Call: 0208 400 1234
computerwarehouse.co.uk

✓ THE CHEAPEST MACS IN EUROPE!
✓ 8 TIME MULTI AWARD WINNER
✓ UNIQUE SHOPPING EXPERIENCE

Authorised Reseller

A time warp CW '96 design

This is... computer warehouse

EDUCATION DISCOUNTS
PRICE MATCH!

SUPERB AUDIO OFFER!!

- Digital Signal Processing
- 125mm bass, 90mm midrange, tweeter
- 50w Bass Amplifier Power
- 30pin iPod Connector
- Stylish Stainless Steel with Black Trim

EARN 390 CW XTRA BONUS POINTS!

B&W Bowers & Wilkins

B&W ZEPPELIN IPOD SPEAKER

Zeppelin is an ipod docking station that fills a room with crisp, deep, lifelike stereo sound, and delivers musical detail that you won't believe your iPod is capable of. - You MUST hear this!

WOW! £339.00 GREAT VALUE

£389.85 Inc VAT (467€) • Exclusive CW Store Offer

NEW WACOM BAMBOO RANGE

NEW PRODUCT! AT CW

wacom

COOL CW PRICE

WACOM - NEW BAMBOO RANGE

INTRODUCING AN EXCITING, NEW WAY TO COMMUNICATE WITH YOUR COMPUTER. Wacom now adds Multi-Touch to Bamboo, allowing you to use simple finger taps and hand gestures to communicate with your computer.

GREAT VALUE £43.47

£49.99 Inc VAT (52.16€) • Exclusive CW Super Offer

computerwarehouse.co.uk

"My Dad likes the prices an Mamma does too - I'm sure CW has something for you!"

COMPUTER WAREHOUSE 1988 - 2009 21 YEAR ANNIVERSARY

BUY NOW - PAY LATER!!

computerwarehouse.co.uk
☎ Call: 0208 400 1234

☎ Call: 0208 400 1234
computerwarehouse.co.uk

✓ THE CHEAPEST MACS IN EUROPE!
✓ 8 TIME MULTI AWARD WINNER
✓ UNIQUE SHOPPING EXPERIENCE

Authorised Reseller

A time warp CW '96 design

This is... computer warehouse

EDUCATION DISCOUNTS PRICE MATCH!

CW MEGA DEALS!

AXIOTRON

A CW EXCLUSIVE! NEW AND ONLY AT CW!

Pre-Installed Software FREE!
Autodesk SketchBook Express 2009

AXIOTRON MODBOOK

The revolutionary, state of the art, slate-style tablet mac that enables users to draw, sketch and write directly on the screen. 2.13GHz Intel Core 2 Duo / NVIDIA GeForce 9400M graphics, 2GB Memory / 160GB HD / SuperDrive DVD dual-layer / Built-in AirPort Extreme
AVAILABLE ON CW EASY CREDIT - CALL NOW*

BUY NOW PAY LATER

£1129

£1299 Inc VAT (1354e) • Exclusive CW Super Offer

SPECIAL CW OFFER!

TOP PRODUCT! AT CW

WD Western Digital

GREAT VALUE

WD MY PASSPORT ESSENTIAL 1TB BLACK

These elegant portable drives are simple to use, light and easy to carry, and require no power adapter. Synchronized and secure - Plug My Passport into any PC, edit files, read e-mail, and view photos.

WOW! £159.00

£182.85 Inc VAT (219€) • Exclusive CW Store Offer

"It's a pleasure to shop the CW way - Deals a go go, day after day!"

COMPUTER WAREHOUSE 1988 - 2009 21 YEAR ANNIVERSARY

BUY NOW - PAY LATER!!

computerwarehouse.co.uk
☎ Call: 0208 400 1234

iPOD ACCESSORIES

Belkin TuneBase FM

★★★★★

Price: £56 **Reviewed:** Issue 213
Web: www.belkin.com
Full review: www.techradar.com/628966
Key specs: A very cheap way of integrating your iPhone into your in-car music system

⊕ ClearScan; RDS; can charge other USB device; great build quality
⊖ FM signal can be crackly, and sometimes drops out altogether

"As a cheap way of tying your iPhone into your car's system, it can't be beat."

Belkin shuffle cable ★★★★☆

Price: £12 **Reviewed:** Issue 214
Full review: www.techradar.com/637638
Key specs: Use third-party earbuds with iPod shuffle
⊕ Gives you shuffle controls with any earbuds
⊖ Can't clip iPod inside your clothes

RothDock ★★★★☆

Price: £70 **Reviewed:** Issue 211
Full review: www.techradar.com/611361
Key specs: Also compatible with iPhone 3G/3GS
⊕ No configuration needed; remote control
⊖ No video streaming

MAC ACCESSORIES

Shure PG27 USB Mic

★★★★☆

Price: £139 **Reviewed:** Issue 211
Web: www.shure.co.uk
Full review: www.techradar.com/611534
Key specs: Frequency response: 20Hz-20kHz; Pattern: cardioid polar; Attenuation; 0db /-20db

⊕ Great range of sound; easy to set up; on-mic monitoring capability
⊖ Single microphone use only

"Shure's PG27 mic represents the new breed of USB-based active mics. If you're after a single-mic setup, it's great."

Elgato turbo.264 HD ★★★★½

Price: £128 **Reviewed:** Issue 209
Full review: www.techradar.com/596751
Key specs: Output: iPod high/standard; iPhone; PSP
⊕ Super-fast H.264 encoding
⊖ No longer supports PowerPCs; expensive

Sanho HyperMac 222Wh ★★★★★

Price: £302 **Reviewed:** Issue 212
Full review: www.techradar.com/619294
Key specs: 222 watt-hours; Weight: 4.7lbs
⊕ Charges internal batteries; can power iPhone
⊖ Expensive; high-capacity models are very heavy

iPHONE APPLICATIONS

Twitterrific Premium

★★★★½

Sources
MacFormat
AA

MacFormat
@LewisBeachey http://tinyurl.com/o67rr9 :-)
TomlsGeek
@MacFormat Hi MacFormat :D
James Turner
@MacFormat Witty bon mots. I'm sure I don't know what you mean! :-)
Dave Rutt

Price: £2.39 **Reviewed:** Issue 210
Web: www.iconfactory.com
System reqs: iPhone OS 2.2 or later
Available from the App Store, directly through your iPhone or via iTunes.

⊕ Lovely interface; beefed-up features list; support for multiple accounts
⊖ Reposting between accounts is tricky; basic stuff needs configuring

"An application that definitely repays the time spent exploring it. A firm favourite."

Birdhouse ★★★★★

"To tweet, or not to tweet: that is the question"
-Shak

Price: £2.39 **Reviewed:** Issue 209
System reqs: iPhone OS 2.1

⊕ Draft multiple Twitter notes before you tweet
⊖ Only useful if you are a complete Twitter addict

Documents To Go ★★★★☆

Documents To Go

Price: £2.99 **Reviewed:** Issue 211
System reqs: iPhone OS 2.0

⊕ A great option for creating and editing text docs
⊖ No support for RTF files; cannot edit Excel files

SYSTEM UTILITIES

Micromat TechTool Pro 5

★★★★★

Price: £90 **Reviewed:** Issue 206
Web: www.micromat.com
Full review: www.techradar.com/528167
System reqs: PPC G4 or G5 or any Intel Mac; OS X 10.4.9 or later; DVD ROM drive; Quartz Extreme graphics support

⊕ Fast and stable; comprehensive tools; proactive alerts and monitors
⊖ Updated FTP disappoints

"If your budget can only accommodate one commercial system utility, make it TechTool Pro 5."

Prosoft Drive Genius 2 ★★★★½

Drive Genius 2
PRO

Price: £68 **Reviewed:** Issue 208
Full review: www.techradar.com/589923
System reqs: G4, G5 or Intel; OS X 10.4.9 or later
⊕ Comprehensive set of tools
⊖ RAID not supported

iStat Menus 2.0 ★★★★★

Price: Free **Reviewed:** Issue 215
Full review: www.techradar.com/645026
System reqs: OS X 10.5 or later
⊕ Flexible, stable and useful; great date and time
⊖ Gradient-happy interface

HOME OFFICE

Apple iWork '09

★★★★☆

Price: £69 **Reviewed:** Issue 205
Web: www.apple.com/uk
Full review: www.techradar.com/500293
System reqs: G4 (500MHz or faster) processor, Mac OS X 10.4.11 or later, 512MB RAM (1GB recommended).

⊕ Keynote is a market leader, and the rest of the apps are catching up
⊖ Both Numbers and Pages still lack some basic features

"The '09 update sees some good features added and some general improvements. Worth it for Keynote alone."

APP4MAC Twin 1.01 ★★★★★

Price: £25 **Reviewed:** Issue 211
Full review: www.techradar.com/611922
System reqs: Power PC G4, G5/Intel Mac
⊕ Back up to multiple destinations; easy to use
⊖ None

FileMaker Bento 3 ★★★★☆

Price: £30 **Reviewed:** Issue 215
Full review: www.techradar.com/644983
System reqs: OS X 10.5.7 or later
⊕ iPhoto integration; password security
⊖ Layout tools still a little inflexible

VISUAL TOOLS & LAYOUT

Photoshop Elements 8

★★★★½

Price: £75 **Reviewed:** Issue 215
Web: www.adobe.com
Full review: www.techradar.com/644205
System reqs: Mac OS X 10.4.11 or higher; 1GB hard drive space; 512MB RAM (1GB recommended).

⊕ Great Recompose tool, smart brush for special effects, Scene Cleaner
⊖ Intel-only, interface a little gloomy

"Lots of exciting tools, offering virtually all the controls you need at a truly affordable price."

BeLight Printfolio ★★★★½

Price: £49 **Reviewed:** Issue 208
Full review: www.techradar.com/589659
System reqs: Mac OS X 10.4 or later
⊕ Comprehensive range of user-friendly apps
⊖ Not great at exporting between them

Dream Capture ★★★★☆

Price: £7 **Reviewed:** Issue 211
Full review: www.techradar.com/611327
System reqs: G5 Mac; 3.5MB disk space
⊕ Instantly saved videos; good value for money
⊖ Some file sizes very large

GAMES

The Sims 3

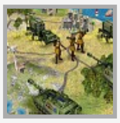
★★★★★

Price: £40 **Reviewed:** Issue 211
Web: www.eagames.com
System reqs: Intel Core Duo processor; 2GB RAM; Mac OS X 10.5.7; ATI X1600 or NVIDIA 7300 GT; 128MB VRAM; or GMA X3100 (GMA 950 not supported)

⊕ Looks great; more customisable; goals-based gameplay; easy to explore
⊖ It should be an online game; there are no pets

"Hopefully The Sims 4 will be a fully-interactive online game. In the meantime, The Sims 3 is the perfect sequel."

Civ IV: Beyond the Sword ★★★★★



Price: £20 **Reviewed:** Issue 214
Web: www.aspyr.com
System reqs: G5/Intel 1.8GHz; 512MB RAM
⊕ Loads of scenarios; new civilisations; Great VFM
⊖ Won't win over non-fans of previous games

BioShock ★★★★★

Price: £34 **Reviewed:** Issue 215
Web: www.2kgames.com
System reqs: 1.8GHz CPU; 1.5GB RAM; 8GB HDD space
⊕ Great story; amazing visuals; interesting themes
⊖ Too quick to reveal its secrets

MULTIMEDIA SOFTWARE

Apple iPhoto '09

★★★★★

Price: £69 (iLife '09) **Reviewed:** Issue 206
Web: www.apple.com/uk
Full review: www.techradar.com/527969
System reqs: PowerPC G4 or G5, or any Intel Mac; 512MB RAM (1GB recommended); Mac OS X 10.5.6 or later; 4GB HDD space.

⊕ Practical tools, new options to export slideshow, Places a useful addition
⊖ Faces could be better, few cameras have GPS

"The new features are great, but there's some room for improvement in the Faces facial-recognition facility."

Apple Logic Studio ★★★★★

Price: £399 **Reviewed:** Issue 213
Full review: www.techradar.com/625541
System reqs: Intel Mac; 1GB RAM; Mac OS X 10.5.7
⊕ Powerful music studio; great tools; good value
⊖ Some minor bugs in the initial release

Anime Studio Debut 6 ★★★★☆

Price: £31 **Reviewed:** Issue 211
Full review: www.techradar.com/611940
System reqs: G4+; 256MB RAM; OS X 10.4.
⊕ Excellent features and tutorials
⊖ No texture mapping or lighting

☎ Call: 0208 400 1234
computerwarehouse.co.uk
✓ THE CHEAPEST MACS IN EUROPE!
✓ 8 TIME MULTI AWARD WINNER
✓ UNIQUE SHOPPING EXPERIENCE
Authorised Reseller
A time warp CW '96 design
This is... computer warehouse
EDUCATION DISCOUNTS
PRICE MATCH!
SPECIAL CW AUTUMN DEALS
HOT PRODUCT! AT CW
478 CW XTRA BONUS POINTS!
hp invent
HP PHOTOSMART PRO B9180 A3+
The Photosmart Pro B9100 Photo Printer is fast, urable and prints up to A3+ on a variety of media types, plus the assurance of colour accuracy and consistent, print-to-print photo quality. instant-drying, long-lasting colour with HP Vivera pigment inks.
WOW! £416.52 GREAT VALUE
£478.99 Inc VAT (574€) • Exclusive CW Super Offer
SPECIAL CW OFFER!
TOP PRODUCT! AT CW
GREAT VALUE
ADOBE PHOTOSHOP ELEMENTS VERSION 8
Adobe® Photoshop® Elements 8 software combines power and simplicity so you can make your photos look extraordinary, share your life stories in unique print creations and web experiences, and easily manage and protect all your photos and video clips.
WOW! £65.21 COOL CW PRICE
£74.99 Inc VAT (77€) • Exclusive CW Store Offer
computerwarehouse.co.uk
"My Dad likes the prices an Mamma does too - I'm sure CW has something for you!"
COMPUTER WAREHOUSE 1988 - 2009 21 YEAR ANNIVERSARY
BUY NOW - PAY LATER!!
computerwarehouse.co.uk
☎ Call: 0208 400 1234

CLASSIFIEDS

To advertise call Richard Jewels on **020 7042 4265**
or email: **richard.jewels@futurenet.com**

>>PRINT AND MEDIA SERVICES

SONOS

All the music you want.
All over your house.

The Sonos Multi-Room Music System lets you play any song, in any room and control it all wirelessly from the palm of your hand.

For more information or to order
01782 563999
sales@slelectrotech.co.uk
www.slelectrotech.co.uk

VIDEO, DVD & CD DUPLICATION

CVS INTERNATIONAL

Duplicate from any master in any quantity
PAL, NTSC & SECAM standards conversion
Wide variety of packaging available

DVD AUTHORING & ENCODING

Encoding to MPEG2 from any video format
Personalised menus and chapter points
Archive your home movies onto DVD

NON-LINEAR EDITING

Realtime digital NLE suites for hire
Very competitive hourly rates
3D graphics and effects

RELIABLE, EFFICIENT & PROFESSIONAL WITH EXTREMELY COMPETITIVE PRICES

0845 100 2629

www.cvsinternational.co.uk
BRANCHES IN LONDON, ESSEX, KENT & SUFFOLK
Head Office: 20 Tallon Road, Hutton Industrial Estate, Brentwood, Essex, CM13 1TJ

---

iMac Rental - MacBook Pro Rental & MacPro Tower Rental

Rent the latest Macs for a day, week or month.

Great prices, great specs and great service.

Call
0845 600 7272
today and Hire Intelligence

ESSA Event Supplier and Services Association

Hire Intelligence

MacBarcoda Version 4.2 Just Released!

- high quality barcode creator
- all the popular barcode types
- saves EPS, PDF, TIFF or JPEG
- Fully compatible with Leopard

www.computalabel.com
sales@computalabel.com

MBC4

Visit www.computalabel.com to buy the software, upgrade from a previous version or buy individual barcode files for as little as £4.25 each!

Computalabel international

PO Box 8867, Leicester LE21 3DA Tel: 0116 270 0881 Fax: 0116 270 4427

Spares & Repairs

MacBook • MacBook Pro • PowerBook • iBook • iMac

- Repair service with nationwide collection
- Faulty Macs bought, collected & recycled
- New & used spare parts for trade or DIY
- Web store with next day delivery

online parts store
recycling macs
£ for dead macs
repair service

Superdrives • Logic Boards • LCDs
Hard Disks • UK Keyboards • Tools
Chargers • Batteries • DC boards
Case Screws • Cases • Key Caps
Internal Cables • Fans • Memory
Modems • Drive cables • Inverters

PARTS NOW IN STOCK

main dealer for ...
newertech

thebookyard.com
0151 291 6240
info@thebookyard.com

>>REPAIRS AND SUPPORT

Certified Technician

londonmac

Apple Macintosh computers and iPods service and repairs

Apple Mac hardware repairs
Hardware & software upgrades
Software troubleshooting
System installation
Data recovery and backup
iPods upgrades and repairs

0845 619 90 09
www.londonmac.com
hello@londonmac.com
71 Clerkenwell Road
London EC1R 5BU

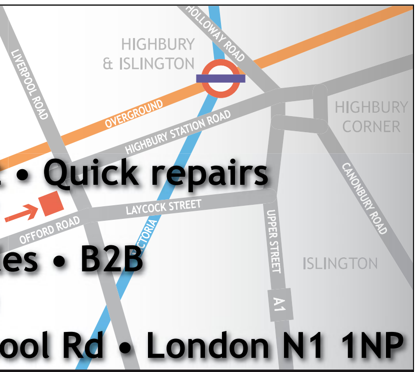
1000 CDs with Booklet+Inlay c.£600
High Quality CDR copies from 51p
5000 Litho printed CDs c.£750
CD/CD-ROM Mastering £70ph
DVDs and Enhanced CDs

Over 23 years experience
Graphic design, colour print
Large and small run specialists
Excellent quality and presentation

Excellent!

RPM
Repeat Performance Multimedia
6 Grand Union Centre
West Row
London W10 5AS
Tel. 020 8960 7222
www.repeat-performance.co.uk

M R



On-site support • Quick repairs
0207 697 2207
Competitive sales • B2B
0207 697 2230
383-385 Liverpool Rd • London N1 1NP

Authorised Service Provider

APPLE RESELLERS

Apple Sales & Support

In a town near you...

If you need somewhere to purchase or repair your Apple Products then you can find your local dealers here...

For advertising opportunities in this section call Richard Jewels on 0207 042 4265

KEY TO THE REGIONS
🟦 Scotland 🟦 The North
🟪 Midlands 🟨 Wales 🟪 The East
🟥 London 🟩 South West 🟩 Eire

LONDON

MacAid

75 Mersey Road, London E17 5LA
Tel: 0800 4488 721 **Email:** info@macaid.co.uk
URL: http://www.macaid.co.uk

- On site support for Home and Business users
- Remote access assistance
- Internet and Network set up
- Application & OS X Tutorials
- Troubleshooting & Problem Solving
- Data Recovery

MacAid
Mac Support for London

LONDON

Albion

London • Basingstoke • Tunbridge Wells
Tel: 0207 212 9090 **Email:** sales@albion.co.uk
URL http://www.albion.co.uk

Albion are a leading Apple Premium Reseller and Authorised Service Provider with over 20 years experience. Specialising in the integration of Mac and Windows systems; care & support and Internet/network solutions, they are the **UK's Education and Business I.T. Solutions Expert.**

Albion
Premium Reseller

LONDON

Square Group Ltd

Central London • High Wycombe • Derby
Tel: 0800 08 27753 **Email:** sales@squaregroup.co.uk
URL: http://www.squaregroup.co.uk

• Apple Premium Reseller • Video, Print & Publishing & Education Apple Solution Experts • Apple Authorised Service Provider • Training Centre

SQUARE
Premium Reseller

LONDON

PCM Technologies Limited

45 Borthwick Road, Stratford, London E15 1UE
Tel: 020 8519 4497 **Fax:** 020 8519 1429
Email: sales@pcmtec.co.uk

Covering London, South-East & Midlands, PCM offers a personal service covering a broad spectrum of Macintosh and cross-platform support areas, including remote desktop support and exchange server integration.

pcm
TECHNOLOGIES LTD

MIDLANDS

SL Electrotech

Unit 6 Loomer Road, Chesterton, Newcastle-under-Lyme, Staffs, ST5 7QQ
Tel: 01782 563999 **Fax:** 01782 564127
URL: http://www.slelectrotech.co.uk

- Apple Authorised Service Provider & Reseller
- Fast Turnaround • On-Site & Workshop repair services
- Helpdesk & Remote Support • Showroom
- Konica- Minolta Business Solutions • SONOS Music Systems

THE NORTH

Jennings Computer Services

Scarborough and York
Tel: 01723 374196 **Fax:** 01904 690470
URL: http://www.jcsltd.co.uk

Celebrating 25 years in business • Authorised Resellers and Service Providers • Offering a complete, professional service to commercial and personal users alike • Cross-platform systems / support • Networking / ADSL Webhosting

Jennings
COMPUTER SERVICES LTD

NATIONWIDE

Cancom

Brighton, Cambridge, Edinburgh, Guildford, Kensington
Tel: 0845 6863500 **Email:** emma@cancomuk.com
URL: http://www.cancomuk.com

• Europe's largest Apple Reseller • Apple Solutions Expert in Education • Authorised Apple Service Provider • Consultancy and Support • Knowledgeable B2B/Mail order team • Configure your Mac on our advanced website • Competitive pricing • Stores in Brighton, Cambridge, Edinburgh, Guildford and Kensington.

CANCOM

PARTS, SPARES AND ACCESSORIES

Bag Crazy .co.uk

Tel: 01823 430530
Web: www.bagcrazy.co.uk

Save 10%
Coupon code 'MAC'

Protect your prized MacBook with this hard shelled case with extra protection – The Built NY Platform Laptop Case sits nicely on your lap for complete portability.

Get Organized!!

All your Apple needs
Mac FORMAT

Barcoding Software
Mac + Windows
from £95 + VAT
www.agamik.co.uk
tel. 01506 650 163
e-mail: sales@agamik.co.uk

vis
Apple Repairs & Parts
01189 88 66 33 • visparts.com

refuelled.com
WHERE DESIGNERS COME TO FILL UP

- Fast Service
- Massive Range
- Great Prices

Design Software
Hardware & Peripherals
Wacom Graphic Tablets
Built NY Laptop Sleeves
Input Devices
Colour Management Tools
Crumpler Bags & Cases
CAD Software
Monitors & Graphics Cards
Pantone Colour Books
Apple Accessories
Professional Art Materials

www.refuelled.com
WACOM | CRUMPLER | BUILT NY | APPLE | FORMAC | PANTONE
DATACOLOR | NEC | ATI | ADOBE | 3DCONNEXION

On the disc

● FULL SOFTWARE ● EXCLUSIVE DEMOS ● ESSENTIAL SHAREWARE ● READER OFFERS

Welcome to the disc

Issue 216

So you've recently bought a Mac and made the switch from Microsoft's ailing operating system to the super-slick Snow Leopard. But over the years you've spent a small fortune on software for Windows and the thought of repurchasing those licenses en masse for OS X makes you feel a tad resentful.

Well there's a cool technology you might not have heard of that solves this small but annoying conundrum, it's known as virtualisation.

Basically, this is a method that allows owners of Intel-based Apple computers to boot the Windows environment. Both Parallels and VMware have software solutions for letting you run those applications where short-sighted developers have failed to offer you a licence that would make platform migration an inexpensive snitch, or the software manufacturers have taken the rather short-sighted view of shunning OS X completely. Either way, *Parallels Deskop* is your answer and there's a demo on this issue's CD for you to try out right now. To get started with the demo, simply register online at **www.parallels.com**.

> *"Virtualisation allows Intel-based Apple computers to boot the Windows environment"*

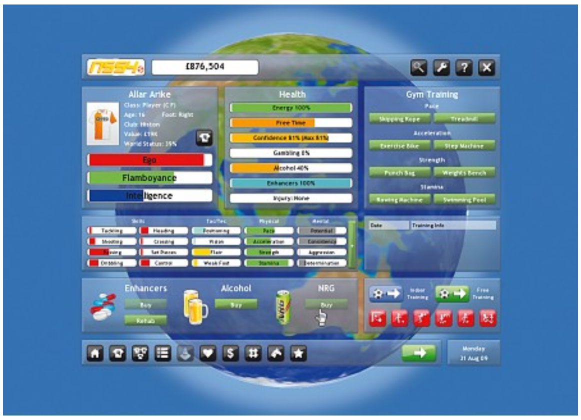
Each issue, New Media Editor Simon Holland selects a fantastic array of software for you to enjoy on your Mac.

>> FULL SOFTWARE

New Star Soccer 4

Enjoy a virtual kickabout from the comfort of your own Mac

The football season is well and truly under way and you're either ruing your teams recent run of poor performances or are celebrating their positioning in the league's upper echelons. Depending on whether it's the former or latter you'll either want to eat, sleep and drink football or are looking for anything to take your mind off your team's current woes. Your answer is *NSS4*, an award-winning football career game where your goal is to prove yourself on and off the pitch.


NSS4
£876,504
Allar Arike
Health
Gym Training
Energy 100%
Free Time
Confidence 81% (Max 81%)
Gambling 0%
Alcohol 40%
Enhancers 100%
Injury: None
Ego
Flamboyance
Intelligence
Skipping Rope
Treadmill
Acceleration
Exercise Bike
Step Machine
Strength
Punch Bag
Weights Bench
Stamina
Rowing Machine
Swimming Pool
Date
Training Info
Enhancers
Alcohol
NRG
Buy
Rehab
Indoor Training
Free Training
Monday
31 Aug 09

New Star Soccer will kickstart your football career… the easy way.

>> FULL SOFTWARE

Crayon Ball 2.2.0

A puzzle game for everyone

So the weather outlook's a cold, wet and dreary affair as is perfectly usual for Blighty at this time of year. And this can put you on a bit of a downer. Just the mere thought of not being able to go on those beach trips that were ever-prevalent throughout the summer is enough to conjure up some sadness. But we have the perfect cure for those winter blues in the form of a wonderfully simple puzzle game that will be addictive for both adults and kids. So why not give it a try and fuel your inner inter-family member competitive nature by vying for the top spot on the high-scores table.

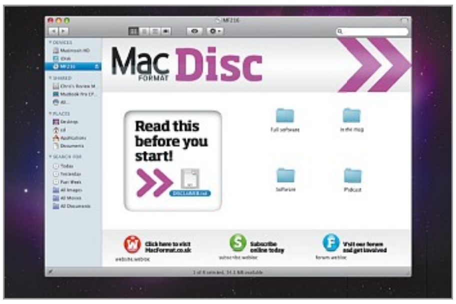
>> FULL SOFTWARE

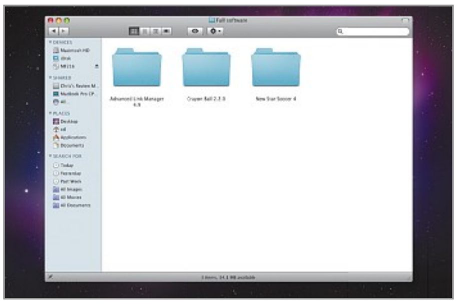
Advanced Link Manager 4.9

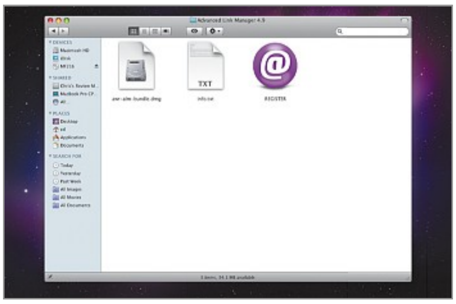
Increase your traffic

Should a website owner ever be asked what the priority for their pages might be it would almost certainly be traffic. There's a lot of advice floating around the internet on how to drive more traffic to your website. Unfortunately, little can be completely verified due to Google keeping its cards close to its chest. But many believe links offer the best method of clambering up the rankings and this full software will help you to achieve those dreams of a number-one search-engine spot.

HOW TO / Install the programs on your disc


Mac Disc
Read this before you start!
Full software
In the mag
Software
Podcast
Click here to visit MacFormat.co.uk
Subscribe online today
Visit our forum and get involved





01 Loading the disc

After inserting your *MacFormat* disc into your drive, double-click the disc icon on your Desktop, then double-click the icon named MacFormat.osx. This will load the interface so you can view info about the items on the disc.

02 The software

Once loaded, accept the terms and conditions in order to go to the homepage. From here you can click **Software**, **In The Mag** or **Podcast**. The first two lead to sub-sections, which contain the software tools.

03 Getting the apps

Selecting an item will load details about the software. To delve straight into the app, click **Click here to open**. An installer will load or you will go to a window to extract the archive or execute the set-up file manually.

Full disc contents

The complete list to what you'll find on your disc this issue

FULL SOFTWARE

Advanced Link Manager 4.9
Crayon Ball 2.2.0
New Star Soccer 4

IN THE MAG GAMES

Machinarium 1.0.1

GROUP TEST

Camino 1.6.10
Firefox 3.6b2
iCab 4.7
OmniWeb 5.10.1
Opera 10.01

REVIEWS

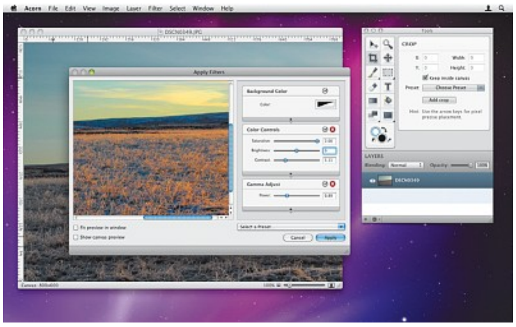
Parallels Desktop 4.0.3846

SHAREWARE

Acorn 2.1
CameraBag Desktop 1.0
FolderGlance 2.5.7

SOFTWARE RECOMMENDED

Advanced Web Ranking 6.9
CrayonBall 2.3
New Star Soccer 2010



Find a copy of Acorn 2.1 shareware on this issue's disc.

TOP FREEWARE

BetterTouchTool 0.317
Cryptor 1.21
HDRtist 1.1
iAdjust Audio 1.1
iFolderer 1.02
iPhone Explorer 1.182
MacTubes 2.4.3
Search It 1.1.3
Simplify Media 2.5.0.1446
TimeDisc 0.4.2
Currency Converter 1.5
MightyMonitor Widget 2.0
Time Machine Buddy 1.05

WIDGETS

Album Art Widget 2.9.5

PODCAST

19th October 2009

READER OFFERS / Save yourself £££s

Upgrade to New Star Soccer 2010

Use the coupon code "MACFORMAT" and get a whopping 50% off of any of the Mac titles on **www.newstargames.com**. (This includes the following titles: *NSS2010, New Star GP or Super Laser Racer.*) Please note that the coupon code is valid for use until January 1st 2010 only.

Upgrade to Crayon Ball 2.3

The generous folk at Howling Moon Software are offering readers of *MacFormat* a $5-off coupon for an upgrade to *Crayon Ball 2.3*. All you have to do is simply enter the code"MACFORMAT" into the checkout, to get $5 off your order at **http://howlingmoonsoftware.com/crayonball.php**.

GET YOUR SERIAL CODE

Some products on the disc require registration to unlock all the features. Instructions are on the interface, which is loaded from the disc's root.

HAVING PROBLEMS?

In the unlikely event of your disc being defective, please email our support team at **support@futurenet.co.uk** for further assistance. If you would prefer to talk to a member of our support team in person, call **01225 822743**. If you have comments about the software we include or you have suggestions for software that you would like to see on future discs, please email to Simon Holland, New Media Editor, at **simon.holland@futurenet.com**

On your disc

Find three full programs plus a selection of widgets, tutorials, reviews and freeware

Mac
FORMAT
ISSUE 216 / January 2010

MISSING YOUR DISC?

If your disc is missing, email support@futurenet.com or phone 01225 822743

Future Technology coverdisc

This disc has been thoroughly scanned and tested at all stages of production, but – as with any new software – we still recommend that you run a virus checker before use. We also recommend that you have an up-to-date backup of your hard disk(s) before using this disc.

Future Publishing cannot accept responsibility for any disruption, damage and/or loss of data to your data or computer system that may occur while using this disc, or the programs and data on it. We advise that you consult your network administrator before installing software on a networked Mac.

Coverdisc problems

If you are having difficulties using the MacFormat disc interface or its content, please visit our reader support website at www.futurenet.co.uk/support. On this regularly updated website, you'll find solutions to numerous commonly reported problems. If, after reading these, you are still experiencing difficulties, then please email our reader support team (support@futurenet.com) or phone 01225 442244 and ask for coverdisc support.

Please note that we can only provide technical support for the installation of software. Unfortunately, we cannot give in-depth help on the applications, or on your hardware or operating system. For software support-related issues, please contact the relevant product's developers. We are unable to provide serial numbers over the phone.

Please also note that Future Publishing can only provide technical support for this disc for a period of six months after this magazine's on-sale date.

Interface

- Interface requires OS X.
- Some programs may require free registration over the internet or phone.
- Some software may not be available in all territories.
- Where relevant, program values quoted are prices when sold with original packaging and manuals.

Future MEDIA WITH PASSION
COMPACT disc
Made in the EU
MAC216 DISC

© Future Publishing 2009
Not to be sold separately

Amazing
Domain Prices

But hurry! Must end December 31st

.eu	€2.95
.mobi	€6.75
.info	€4.95
.im	€4.95
.tel	€15

& so many more

Blacknight.com is an ICANN accredited registrar

sales@blacknight.com
www.blacknight.com

UK: +44 (0)844 484 9361
US: +1 213-233-1612
Intl: +353 (0)59 9183072

BLACKNIGHT SOLUTIONS

Brighton
12-13 Brighton Place
The Lanes. BN1 1HJ

Hove
255 Old Shoreham Rd
Hove. BN3 7ED

Bournemouth
78 Old Christchurch Rd
Bournemouth. BH1 1LR

Guildford
27 Friary Street.
Guildford. GU1 4EH

Chichester
51a South Street
Chichester. PO19 1DS

Free UK Mainland delivery

solutions inc.

0844 8751 610

www.**solutions-inc**.co.uk

Premium Reseller

Bose SoundDock 10

Bose has once again raised the bar for iPod speaker systems with its brand new SoundDock 10. Boasting stunning life-like audio quality thanks to Bose's advanced waveguide technology and a brand new woofer design, the SoundDock 10 breathes new life into your music from the deepest lows of a bass line right up to the soaring highs of the vocalist. SoundDock 10 also features an innovative Bluetooth dock, allowing you to stream music directly from your iPhone or computer. Perfect for parties, large gatherings or just filling any room with clear, rich and powerful audio.

£699.00 inc. vat

Free iPod nano

When You Purchase a New Bose SoundDock 10 or Vita Audio R4

Solutions inc. are giving away a free 8GB iPod nano or £100 off an iPod touch when you buy the new Bose SoundDock 10 or Vita Audio R4. Offer available while stocks last.

For more information, please email freeipod@solutions-inc.co.uk or call 01273 200812 monday - friday.

Vita Audio R4

The new Vita Audio R4 is a traditional music centre engineered for the 21st century. Comprising of a multi-format CD player, iPod dock, USB playback port, auxilliary inputs and an FM/DAB/DAB+ tuner allied with a powerful amplifier speaker system, the beautifully styled R4 is the perfect centrepiece of any living room. Simply plug it in and you'll have rich room-filling sound that will easily please even the most discerning of listeners. The unit is beautifully finished off with the unique Vita Audio RotoDial interface which can be detached from the unit and used as a remote control. Compatible with all iPhone and iPod models released post 2004. Test drive the Vita Audio R4 in store today. Available in Black or Walnut finish.

From £549.00 inc. vat

Discover more

Full details of all our products and to check the latest prices: **www.solutions-inc.co.uk.**

Win £100 store vouchers

Subscribe to our newsletter on-line for entry in to our monthly prize draw.

Secure on-line transactions

Our on-line e-store features a secure check-out page. We never keep any credit or debit card details and we never pass customer details on.

Free UK Mainland delivery

Great availability, faster delivery

1,000 products available on-line. Free delivery to mainland UK addresses for all orders.

Well established

Solutions inc. is one of the most established and respected Apple UK partners with 17 years experience.